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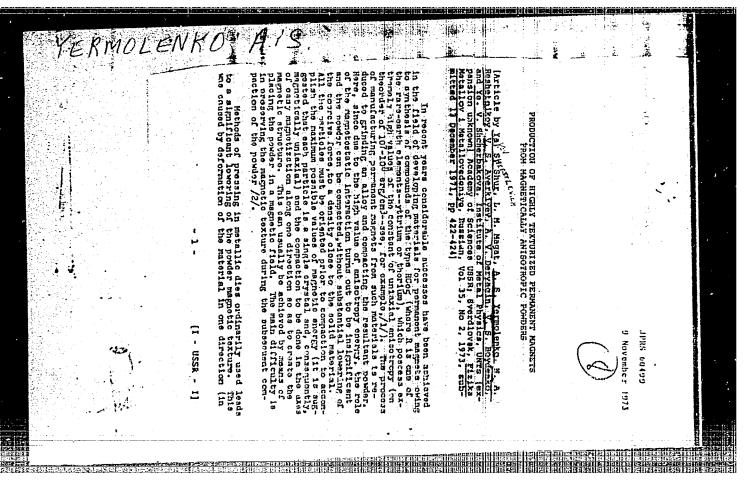
四c 615.332.015.42,576.851.31

BELIZHENKO, V. D., VED'MINA, YE. A., YERMOL'YEVA, Z. V., and YEFIMTSEVA, YE. P., Chair of Biochemistry, Vitebsk Medical Institute and Chair of Microbiology, Central Institute for Advanced Training of Physicians, Moscow

"Effect of Antibiotics (Neomycin, Monomycin, and Kanamycin) on the Synthesis of Protein and Nucleic Acid in Intact NAC Vibrio Cells"

Moscow, Antibiotiki, No 12, 1971, pp 1085-1088

Abstract: Study of the effect of antibiotics on protein synthesis in intact NAG vibrio (strain 1115) cells showed that neonycin, monomycin, and kananycin at concentrations of 10, 50, and 500 μ g/ml inhibit the incorporation of 1-C¹⁴-glycine into the protein fraction soluble in phencl, but stimulate its incorporation into the fractions of RNA, DNA, and proteins insoluble in phenol. The degree of inhibition and stimulation varied directly with the dose of antibiotic. The stimulating effect of the antibiotics on the incorporation of labeled glycine into nucleic acids and phenol-insoluble protein fraction is attributed to the competitive relationships resulting from the utilization by the bacterial cells of amino acids to synthesize proteins and nucleic acids. When protein synthesis in inhibited, the free amino acids can be more fully utilized for nucleic acid synthesis. The atimulation of incorporation of 1-C¹⁴-glycine into the phenol-insoluble proteins suggest that the synthesis of this protein fraction is not sensitive to neomycin, monomycin, or kananycin. 1/1



UNCLASSIFIED PROCESSING DATE--230C,70
TITLE--THE SCIENTIFIC FORECAST OF INTERNATIONAL RELATIONS IN THE LIGHT OF
LENIN'S TEACHING -U-

AUTHOR-(02)-BESTUZHEVLADA, I., YERMOLENKO, D.

COUNTRY OF INFO--USSR

SOURCE-INTERNATIONAL AFFAIRS, FEBRUARY-MARCH, 1970, NR 2-3, FP 95-97

DATE PUBLISHED ---- 70

SUBJECT AREAS-BEHAVIORAL AND SOCIAL SCIENCES

TOPIC TAGS--FOREIGN POLICY, ECONOMIC FORECASTING TECHNIQUE, STATISTIC ANALYSIS, GAME THEORY, MATHEMATIC MODEL, COMPUTER APP: ICATION, COMPUTER CONTROL SYSTEM

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1999/0379

STEP NO--UR/0665/70/000/02-/0095/0097

CIRC ACCESSION NO--APO122564

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PROCESSING DATE--230CT70 UNCLASSIFIED 2/4 CIRC ACCESSION NO--APO122564 ABSTRACT. IT HAS DNLY THE DISCOVERY BY MARX ABSTRACT/EXTRACT--(U) GP-0-AND ENGELS OF THE MATERIALIST VIEW OF HISTORY THAT MADE IT POSSIBLE TO UNDERSTAND THE ESSENCE OF THE OBJECTIVE LAWS AND GET AT THE TURE MOTIVE FORCES BEHIND SOCIAL PROGRESS. THE PROFOUND SCIENTIFIC UNDERSTANDING OF THE ESSENCE OF HUMAN SOCIETY MADE IT POSSIBLE TO GO ON FROM GUESSHORK ABOUT THE FUTURE AND THE PROPHECIES OF THE PRE MARXIAN PERIOD TO A SCIENTIFICALLY GROUNDED ANALYSIS OF THE PROSPECTS FOR MANKIND'S DEVELOPMENT. IT ALSO MADE IT POSSIBLE TO ORGANISE THE PLANNED AND PURPOSEFUL TRANSFORMATION OF SOCIETY. SCIENTISTS HAVE NOW GONE ON TO COMPELX EXTRAPOLATION, WHICH COMBINES MATHEMATICAL STATISTICAL ANALYSIS WITH THE METHODS USED IN THE THEORY OF PROBABILITY, THE THEORY OF LIMITS, THE THEORY OF GAMES, THE THEORY OF MULTIPLES, AND SO ON. SPECIAL FORMULAS HAVE BEEN DEVELOPED WHICH MAKE IT POSSIBLE TO APPROXIMATE WITH GREAT ACCURACY THE DATA OBTAINED THROUGH SIMPLE EXTRAPOLATION. THIS MAKES IT POSSIBLE TO PROJECT A LINE OF DEVELOPMENT INTO THE FUTURE ON THE STRENGTH OF A PROBABLE REPETITION OF THE SAME PROCESSES IN THE SUBSEQUENT PERIOD, AND ALSO TO ACHIEVE GREATER PRECISION ON THE STRENGTH OF SPECIFIC FEATURES WHICH, IN THE OPINION OF THE FORECASTERS, WILL BE CHARACTERISTIC OF THE SELECTED TIME INTERVAL. EGRECAST MODELLING IS ANOTHER METHOD THAT IS BEING MIDELY INTRODUCED. THERE HAS BEEN A SHARP INCREASE IN THE IMPORTANCE OF POLLS OF EXPERTS OR GROUPS OF POPULATION IN FRAMING FORECASTS. FINALLY, IN THE PAST FEW YEARS THERE HAS BEEN EXTENSIVE DEVELOPMENT OF WHOLE SYSTEMS BASED ON SINGLE FORECASTS, WHOSE FUNCTION IS TO FORECAST A GIVEN MULTIPLICITY OF OBJECTIVES. UNCLASSIFIED

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

PROCESSING DATE--230CT70 UNCLASSIFIED 3/4 CIRC ACCESSION NO--AP0122564 ABSTRACT/EXTRACT--(D. M. GVISHIANT AND V. A. LISICHKIN, SYSTEM OF PROGNOSTICATION IN THE PLANNING AND MANAGEMENT OF SCIENTIFIC RESEARCH AND DEVELOPMENT, MOSCOW, 1969, IN RUSSIAN). LET US EXAMINE AN APPROXIMATE PROCEDURE FOR DRAWING UP A FOREIGN POLICY FORECAST. BEARING IN MIND THAT, ACCORDING TO THE CONCRETE CONDITIONS AND THE AVAILABILITY OF INFORMATION, EQUIPMENT, TECHNICAL MEANS AND PERSONNEL, THERE MAY BE A CHANGE IN THE SEQUENCE OF OPERATIONS. IN THE MOST GENERAL TERMS THIS COMES TO THE FOLLOWING: 1. DEFINING THE AIM, TASKS AND TIME INTERVAL OF THE FORECAST. IN SO DOING, IT MUST BE CLEARLY UNDERSTOOD THAT THERE IS A SPECIFIC OPTIMUM TIME INTERVAL FOR FORECASTING EACH OF THE SOCIAL PROCESSES, SO THAT THE MORE PRECISELY THE INTERVAL IS DETERMINED, THE 2. CONSTRUCTING THE INITIAL GREATER THE RELIABILITY OF THE FORECAST. MODEL OF THE PHENOMENON TO BE FURECAST, AND DEFINING THE MAIN PARAMETERS OF THE FORECAST, THE CRITERIA OF THEIR EVALUATION, AND SO ON (MAINLY BY METHODS OF EXPERT EVALUATION . 3. BRINGING OUT THE LEADING TENDENCIES IN THE DEVELOPMENT OF THE GIVEN PHENOMENON AND THEIR COMPLEX EXTRAPOLATION FOR THE ESTABLISHED TIME INTERVAL. FORECASTING TODAY USUALLY ENTAILS EXTRAPOLATION FOR SUCH DATES AS 1975, 1980, 1985 AND 4. CONSTRUCTING A SERIES OF FORECAST MODELS FOR THE GIVEN DATE 2000. AND CONCRETISING THE MINIMUM, MAXIMUM AND OPTIMUM VALUES. 5. POLLING OF EXPERTS AND OR SPECIALLY SELECTED GROUPS OF POPULATION, FOR GREATER PRECISION OF THE MODELS. 6.

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PROCESSING DATE--230CT70 UNCLASSIFIED CIRC ACCESSION NO--APOL22564 ABSTRACT/EXTRACT--DEFINING THE MARGINS BETWEEN THE PROBABLE AND OPTIMUM STATES OF THE PHENOMENON OR OBJECT FORECASTED FOR A SIVEN DATE, WITH SUBSEQUENT FORMULATION OF THE PROBLEMS REQUIRED TO BE SOLVED FOR MAXIMUM APPROXIMATION OF THE TWO STATES. 7. WORKING OUT ON THIS BASIS RECOMMENDATIONS FOR PLANNING, PROGRAMMING AND CONTROL AS A WHOLE. FRESH POLLING OF EXPERTS TO ASSESS THE RECOMMENDATIONS. CONSTRUCTING A SERIES OF POST PROBABILITY MODELS, THAT IS, MODELS REFLECTING THE PROBABLE CONSEQUENCES OF IMPLEMENTATION OF THE DECISIONS RECOMMENDED. 10. FURTHER POLLING OF EXPERTS, ETC. NEEDLESS TO SAY, THIS EXAMPLE DOES NOT EXHAUST ALL THE POSSIBLE VARIANTS FOR DRAWING UP A IDEALLY, FORECASTING SHOULD BE A CONTINUOUS PROCESS PARALLEL TO THE PROCESS OF CONTROL, THUS ENSURING CONSTANT CORRECTION OF EVALUATIONS OF THE ACTS TO BE CARRIED OUT. THIS CAN BE DONE ONLY WHERE THE SCIENTIFIC AND RESEARCH WORK IS UNLIMITED. WITH THE ESTABLISHMENT AND APPLICATION OF SYSTEMS OF INFORMATION AND CONTROL BASED ON THE LATEST SCIENTIFIC ACHIEVEMENTS AND THE USE OF ELECTRONIC COMPUTERS.

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WDC 662.62

YERMOLENKO, I. N., Corresponding Member of the Academy of Sciences Belorussian SSR, MALASHEVICH, ZH. V., BEZUKH, B. A., and KUZ'MIN, A. N., Institute of General and Inorganic Chemistry, Academy of Sciences Belorussian SSR, and Institute of Physics, Academy of Sciences Belorussian SSR

"Plasma Effect on Carbon and Metallocarbon Fibers"

Minsk, Doklady Akademii Nauk BSSR, Vol 17, No 5, May 73, pp 431-433

Abstract: The action of plasma from a non-electrode high-frequency induction discharge was studied for carbon fibers produced by pyrolysis of oxidized cellulose and its salts. Helium was used as the plasma material. The effect of metals added to the carbon fibers on the natyre of plasma radiation was also studied, and a detailed analysis of the spectra showed the time of plasma radiation before the metals were affected, which revealed the presence of non-nolatile compounds of metals in the carbon fibers. X-Ray diffraction studies of metallocarbon (Al, Ce, Cr) samples yielded pictures of completely amorphous substances, i.e., the high temperatures acting on metallocarbon fibers for a short time, (1-3 min) does not lead to the formation of crystalline Al, Ce, Cr or their compounds and does not graphitise the carbon recidue. Samples 1/2

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YERMOLENKO, I. N., et al., Doklady Akademii Nauk BSSR, Vol 17, No 5, May 73, pp 431-433

subjected to a longer plasma treatment (10-i5 min) had traces of erosion, which may have formed from the action of radiation and thermal fluxes. Thus, it is possible to use a plasma treatment mode which will not cause deep structural alterations in the volume of a carbon fiber and is an important consideration in the modification of carbon fiber surfaces. One figure, one table, 12 bibliographic references.

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UNCLASSIFIED

PROCESSING DATE--300CT70

TITLE--MADIFIED CELLULOSE -U-

AUTHOR-(03)-YERMOLENKO, I.N., SKORYNINA, I.S., VOROBYEVA, N.K.

COUNTRY OF INFO-USSR

SOURCE-USSR, 261,378

REFERENCE-UTKRYTIYA, IZOBRET., FROM. OBRAZTSY, TOVARNYE ZNAKI 1970.

DATE PUBLISHED--13JAN70

SUBJECT AREAS--CHEMISTRY, MATERIALS

TOPIC TAGS-CELLULGSE RESIN, CHEMICAL PATENT, PHOSPHATE

CONTROL MARKING-NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3002/1447

STEP NO--UR/0482/70/000/000/0000/0000

CIRC ACCESSION NO--AA0128846

UNCLASSIFIED

A SANCE ALEXENSIS AND RESERVATION OF THE CONTROL OF

UNCLASSIFIED PROCESSING DATE--300CT70 2/2 CIRC ACCESSION NO--AA0128846 ABSTRACT. CELLULOSIC MATERIALS ARE MODIFIED ABSTRACT/EXTRACT--(U) GP-0-BY TREATMENT WITH P CONTG. REAGENTS, E. G. CONDENSED ACID PHUSPHATES, COMPLEX PHOSPHATES. OR METAL POLYPHOSPHATES. IN THE PRESENCE OF N CONTG. COMPDS. AT 140DEGREES. THE PRODUCT OBTAINED IS HEAT TREATED AT 140DEGREES AND A RESIDUAL PRESSURE OF 0.1 MM HG. FACILITY: INSTITUTE OF GENERAL AND INGRGANIC CHEMISTRY, ACADEMY OF SCIENCES, BELORUSSIAN SSR. UNCLASSIFIED

1/2 022 UNCLASSI

PROCESSING DATE-+13NUV70

TITLE--PHASE DIAGRAM OF A CERTUM NITRILOTRIACETIC MCID HYOROGEN PEROXIDE SYSTEM BASED ON SPECTROGRAPHIC ABSORPTION PROPERTIES +U-

AUTHOR-1031-KRIVONOZHMIKUVA, E.G., GANOPOLSKIY, V.I., YERMOLENKO, I.N.

COUNTRY OF INFO--USSR

SOURCE--OOKL. AKAO. NAUK SELORUSS. SSR 1970, 14(3), 230+2

DATE PUBLISHED ---- 70

SUBJECT AREAS -- CHEMISTRY

TOPIC TAGS--ABSORPTION SPECTRUM, CERIUM COMPOUND, ACETATE, COMPLEX COMPOUND, PHASE DIAGRAM, HYDROGEN PERDXIDE

CONTROL MARKING-NO RESTRICTIONS

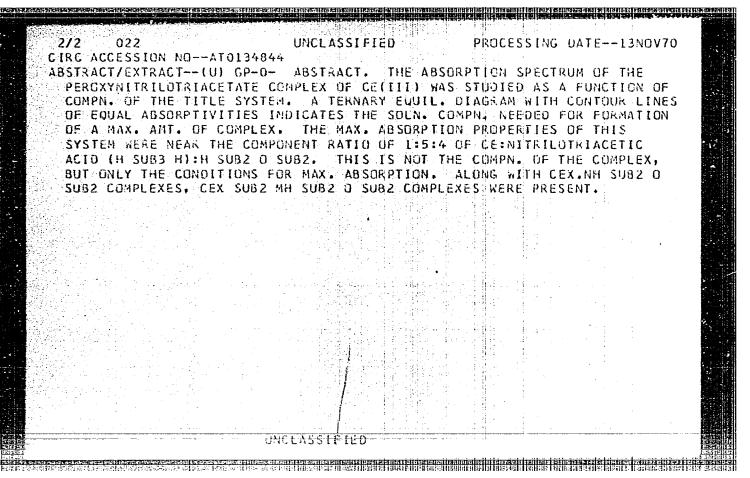
OCCUMENT CLASS--UNCLASSIFIED RROXY REEL/FRAME--3006/1162

STEP NO-HUR/0250/70/014/003/0230/0232

CIRC ACCESSION NO--AT0134844

UHCLASSIF150

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Public Health, Hygiene and Sanitation

USSR

VDC: 614.48:615.478.74

YERMOLENKO, I.N., LYUBLINER, I.P., and STAKHOVSKIY, YE.V., Institute of General and Inorganic Chemistry, Academy of Sciences, Belorussian SSR, and Belorussian Scientific Research Institute of Hematology and Blood Transfusion

"Filters Made of Cellulose Derivatives for Sterilizing Air and Liquias"

Moscow, Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, No 2, 1970, pp 107-111

Abstract: Filters made of cellulose phosphate and impregnated with the antiseptics methylene blue, trypaflavine, and silver exhibited marked antimicrobial activity. Air became sterile when passed through filters containing more than 0.25% methylene blue or 0.25% trypaflavine, and more than 0.62% silver. Filters containing more than 0.62% silver sterilized liquids, while those with 0.5% methylene blue or 0.5% trypaflavine had only a bacteriostatic effect. The materials tested were resistant to laundering, highly air, permeable and capable of sterilizing a large volume of air without regeneration. These features, plus their biological compatibility and inexpensiveness, recommend them as filters and for use in manufacturing protective clothing, masks, etc.

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PROCESSING DATE--230CT70

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TITLE--COMPOSITION OF A CERIUM NITRILOTRIACETATE PEROXIDE COMPLEX -U-AUTHOR-(03)-GANOPOLSKIY, V.I., KRIVONOZHNIKOVA, L.G., YERMOLENKO, I.N.

COUNTRY OF INFO-USSR

SOURCE--VESTI AKAD. NAVUK BELARUS. SSR. SER. KHIM. NAVUK 1970, (1), 38-42

DATE PUBLISHED ---- 70

SUBJECT AREAS--CHEMISTRY

TOPIC TAGS--CERIUM COMPOUND, ACETATE, PEROXIDE, COMPLEX COMPOUND

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1999/1875

STEP NO--UR/0419/70/000/001/0038/0042

CIRC ACCESSION NO--APO123663

UNCLASSIFIED

. UNCLASSIFIED PROCESSING DATE--230CT70 CIRC ACCESSION NO--AP0123663 ABSTRACT/EXTRACT--(U) GP-0- ABSTRACT. THE COMPN. OF CE NITRILOTRIACETATE PEROXIDE COMPLEXES IS CONSIDERED BY USING THE RESULTS OF ISOMOLAR SERIES AND MOLAR RATIO STUDIES OF THE SYSTEM CELLII) NITRIGTRIACETATE H SUB2 O SUB2. THE FOLLOWING EQUATIONS ARE PROPUSED: 2CEX SUBM PLUS H SUB2 0 SUB2 YIELDS X SUBM CEODCEX SUBM PLUS H SUB2 WHERE X IS NITRILOTRIACETIC ACID. THE CE NITRILOTRIACETATE PEROXIDE REACTS WITH H SUB2 0 SUB2: SUB2 CE SUB2 X SUB2 SUBM PLUS H SUB2 O SUB2 PLUS OH PRIME NEGATIVE YIELDS O SUB2 CE SUB2 X SUB2M.NHD SUB2 PRIME NEGATIVE PLUS H SUB2 O. WITH M EQUALS 1, N EQUALS 1 AND 2; WITH M EQUALS 5, N EQUALS 2 AND 4. CONSEQUENTLY, WITH AND INCREASE IN THE CONTENT OF NITRILOTRIACETATE IN THE COMPLEX, THE CAPACITY OF THE COMPLEX INCREASES. THE INTENSITY OF THE ABSORPTION BANDS OF THE COMPLEX ALSO INCREASES. INST. FIZ. TVERD. TELA POLUPROV., MINSK, USSR.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

Acc. Nr: AP0043940

Ref. Code: UR 0016

PRIMARY SOURCE:

Zhurnal Mikrobiologii, Epidemiologii, i Immunobiologii, 1970, Nr 2, pp /0 7-11/

FILTERS MADE OF CELLULOSE DERIVATIVES FOR STERILIZATION OF AIR AND FLUIDS

Yermolenko, I. N.; Lyubliner, I. P.; Stakovskiy, Ye. V.

Antimicrobial fibrous materials on the basis of cellulose were obtained by introduction of ionic groups into the composition of a polymere by esterification with phosphoric acid in the presence of urea and subsequent sorption of the preparations-aseptics (methylene blue, trypaflavine and silver) from water solutions. Antimicrobial activity of these materials was determined by passing the air through a layer of the filter into a fluid nutrient medium, with

subsequent transfer to spolid media.

It was shown that when methylene blue and trypaflavine content was over 0.25% and silver — over 0.62 of the weight of the filter, the latter proved to sterilize the air well. Treatment of these materials in noniogenic washing agents was not accompanied by reduction of

antimicrobial activity.

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USSR

WC 661.183.123.2

LYUBLINER, I. P., YERMOLENKO, I. N., KOFMAN, A. YE., and DIN', K. K., Institute of General and Inorganic Chemistry, Academy of Sciences BSSR

"Investigation of the Phosphorylation Process of Carbon Fibers"

Minsk, Vesti Akademii Navuk ESSR, Seriya Khimicheskikh Navuk, No 3, 1973, pp 80-85

Abstract: The phosphorylation process of carbon fiber materials obtained by pyrolysis of oxidized cellulose with PCL₃ vapors has been investigated by means of physico-chemical methods. It has been shown that the amount of chemically bound phosphorus increases with increasing temperature of phosphorylation up to the maximum of 10 weight-%. At the same time it depends on the pyrolysis temperature of the carbon fiber used in phosphorylation. By means of chemical analyses and potentiometric titration it has been established that the phosphorylated fibers obtained are monobasic ion exchange resins with exchange capacity of up to 3 mg-eq/g. The IR spectra and chemical studies showed that along with the phosphorylation process there occurs an addition of chlorine to the carbon fiber. The roentgenograms show that during the phosphorylation process no structural changes in the fibers take

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LYUBLINER, I. P., et al., Vestsi Akademii Navuk BSSR, Seriya Khimicheskikh Navuk, No 3, 1973, pp 80-85

place, except for some degree of disorganization. The thermal stability of phosphorylated carbon fibers is higher by about 100° than that of the starting carbon. The phosphorylated ion exchange resims are stable in strongly acetic media during repeated sorption-desorption cycles.

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Organometallic Compounds

USSR

UDC 549.21+541.6

YERMOLENKO, I. N., SAFONOVA, A. M., and MALASHEVICH, ZH. V., Institute of General and Inorganic Chemistry, Academy of Sciences Belorussian SSR

"Study of the Structure of Metallocarbon Filaments Obtained from Salts of Oxidized Cellulose"

Minsk, Izvestiya Akademii Nauk BSSR, Seriya Khimicheskikh Nauk, No 6, 1972, pp 60-66

Abstract: Hydrocarbon filaments containing Al, La, and Ba in their structure have previously been synthesized and their rather unique properties determined. This study presents data on the elemental composition, X-ray analysis, and electron micrographs of carbon and metallocarbon filaments. These were obtained from monocarboxycellulose and its Al and Fe salts at temperatures of 400-1600°C. The carbon particles have a flaky structure and show structural anisotropy. The aluminocarbon and carbon samples were similar in external form and X-ray patterns. The ferrocarbon form, however, exhibited significant differences. The latter may be due to the reduction of the iron ion to metallic iron, which reduces the order in the hydrocarbon structure.

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USSR

UDC: 533.69.01+533.662.013

ANTONOV, A. M., YERMOLENKO, M. S., MAKSIMENKO, L. A.

"Flow Around a Thin Wing With Escaping Jets"

Tr. II Resp. konf. po aerogidromekh., teploobmenu i masscobmenu. Sekts. "Aerodinamika bol'sh. skorostey" (Works of the Second Republic Conference on Aerohydromechanics, Heat Exchange and Mass Exchange. "High-Velocity Aerodynamics" Section), Kiev, Kiev University, 1971, pp 165-167 (from RZh-Mekhanika, No 5, May 72, Abstract No 5B369)

Translation: In order to solve the problem of flow of an ideal compressible fluid around a thin wing of finite span from which jets are escaping, a system of discrete associated horseshoe vortexes and a system of free straight vortexes are substituted for the wing. The equation for the axis of a jet is given by some semi-empirical formula. The jet is broken down into individual sections, and a vortex strip with known intensity is substituted for each of these sections. The distribution of the load on the surface of the wing is determined from the condition of non-flow in the corresponding number of discrete computational points where the inductive velocities from the wing and jet vortex systems are calculated from the Biot-Savart formula. V. I. Putyata. 1/1

CIA-RDP86-00513R002203710004-2"

APPROVED FOR RELEASE: 09/01/2001

1/2 020 UNCLASSIFIED PROCESSING DATE-11SEP70
TITLE-REGENERATION OF THE IRON FORM OF TYPE X ZEOLITE AS A CATALYST OF
CARBON MONIXIDE OXIDATION -UAUTHOR-YERMOLENKO, N.F., MALASHEVICH, L.N., SARAYEVA, M.L.
COUNTRY OF INFO-USSR

SOURCE-VESTSI AKAD. NAVUK BELARUS. SSR, SER. KHIM. NAVUK 1970, (1), 95-8

DATE PUBLISHED----70

SUBJECT AREAS-CHEMISTRY

TOPIC TAGS-ZEOLITE, CARBON MONOXIDE, IRON OXIDE, OXIDATION, CRYSTAL
STRUCTURE, ADSORPTION

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1987/1666

STEP NO--UR/0419/70/000/001/0095/0093

CIRC ACCESSION NO--APOI04888

UNCLASSIFIED

2/2 020 UNCLASSIFIED PROCESSING DATE--11SEP70 CIRC ACCESSION NO--APO104888 ABSTRACT/EXTRACT--(U) GP-0-ABSTRACT. THE ACTIVITY OF AN FE X TYPE ZEOLITE CONTG. 419 WT. PERCENT FE SUB2 O SUB3 WITH A 39.5PERCENT NA YIELDS FE EXCHANGE DEGREE WAS STUDIED EXPTL. DURING THE OXIDN. OF AN AIR MIXT. CONTG. 5-7 VOL. PERCENT CO IN A FLOW APP. AT 350DEGREES. THE INITIAL OXION. DEGREE (ALPHA) DECREASES LINEARLY FROM ALPHA EQUALS 84PERCENT TO SIMILAR TO 45-50PERCENT AFTER 35 HR AND THEN REMAINS CONST. THE ADSORPTION CAPACITY OF ZEOLITE IS SIMILAR TO 22PERCENT FOR 38 HR. EDWER THAN THAT OF THE FRESH ZEOLITE AS DETD. FROM THE ADSORPTION OF AQ. VAPORS ON SAMPLES HEATED TO 300DEGREES AT 10 PRIME NEGATIVES TORR FOR 6 HR. THE CRYST. STRUCTURE OF THE ZEOLITE DID NOT CHANGE DURING THE REACTION. TO RECOVER THE CATALYST ACTIVITY, THE FOLLOWING METHODS WERE USED: (1) OXIDN. REGENERATION BY DRY AIR AT 350DEGREES FOR 6 HR WITH A RESULTING ALPHA EQUALS GOPERCENT, (2) A FLOW OF DRY N AT 350DEGREES FOR 6 HR DID NOT INCREASE ALPHA, (3) THE REGENERATION BY H SUB2 O AT 25DEGREES WITH RESULTING ALPHA EQUALS 55PERCENT, (4) AND THE REGENERATION WITH H SUB2 O AT 90-95DEGREES WITH RESULTING ALPHA EQUALS 81. SPERCENT. THE RECOMMENDED MANNER FOR MAINTAINING ALPHA SIMILAR TO 80-82PERCENT IS A I HR OXIDN. REGENERATION EVERY 5TH HR COMBINED WITH A H SUB2 O REGENERATION AT 95DEGREES EVERY 25TH HR.

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USSR

WC 541.183

YERMOLENKO, N. F., (DECEASED), YATSEVSKAYA, M. I., and MGUYEN, T. N., Institute of General and Inorganic Chemistry, Academy of Sciences ESSR

"Sorption of Uranium From Aqueous Solutions bu Mineral Sorbents and by Carbon Modified with Titanium Dioxide"

Minsk, Vestsi Akademii ESSR, Seriya Khimicheskikh Navuk, No 3, 1973, pp 65-68

Abstract: A series of adsorbents modified by deposition of a thin layer of titanium dioxide on their surface was studied with the goal of improving their effectiveness in extracting Uot from aqueous solutions. Experimental data showed that the effectiveness of carbon, aluminum oxide and silica gel was improved considerably after TiO₂ was deposited on their porous surface.

Adding a complexing agent to the solution — a carboxylic acid for example — improved the extracting ability even more. This was especially noted in case of aluminum oxide medified with TiO₂ in combination with benzoic acid added to the solution; a four-fold increase in the effectivenss of extraction was achieved.

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UDC 533.682

YERMOLENKO, S. D., ROVNYKH, A. V.

"Solution of the Problem of a Wing of Arbitrary Shape in the Plan View Moving Near a Shielding Surface"

Kazan', Izvestiya Vysshikh Uchebnykh Zavedeniy -- Aviatsionnaya Tekhnika, No 1, 1971, pp 5-14

Abstract: The problem of a wing of arbitrary shape in the plan view moving near a shielding surface is solved in the nonlinear statement since at small distances from the shield even the aerodynamic characteristics of very long wings are essentially nonlinear. The statement is based on the vortex model in which the wing is replaced by a system of oblique horseshoe vortexes. The connected parts of the vortexes are located in the plane of the chords, and the free parts make angles with it found from the condition of coincidence of the vortex with the local velocity vector in the vicinity of the trailing edge of the wing. The aerodynamic characteristics are determined for the cross sections and the wing as a whole.

Calculations examples are presented, and a comparison is made with the calculation by the linear theory and experimentation for wings of various shapes

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YERMOLENKO, S. D., et al., Izvestiya Vysshikh Uchebnykh Zavedeniy -- Aviatsionnaya Tekhnika, No 1, 1971, pp 5-14

in the plan view in broad ranges of attack angles and distances from the trailing edge of the wing to the shield.

The solution obtained can be considered with sufficient grounds to pertain to a wing moving both near the Earth and near a smooth water surface inasmuch as it is proved theoretically and experimentally that the latter can be considered a solid wall without introduction of significant error. Although the described method of replacing the lifting surface by a system of discrete vortexes and the relations obtained are applicable to a wing of arbitrary shape in the plan view, when deriving the final formulas the investigation was restricted to the class of wings with rectilinear edges.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

YERMOLENKO, S. D., and ROVNYKH, A. V.

"Range of Practical Application of Linear Lifting-Surface Theory to Calculation of Aerodynamic Wing Characteristics"

Samoletostr. i tekhn. vozd. flota. Resp. mezhved. nauchno-tekhn. sb. (Aircraft Construction and Equipment of the Air Fleet -- Republic Interdepartmental Collection of Scientific and Technical Works), 1970, vyp. 20, pp 29-34 (from RZh-Mekhanika, No 1, Jan 71, Abstract No 1B379 by V. I. Putyata)

Translation: The article compares experimental local and total characteristics of certain types of wings, with characteristics obtained by calculation in accordance with linear and nonlinear theory. It is shown that even for wings with not very low aspect ratios the local characteristics, and for wings moving in the vicinity of the interface even total aerodynamic characteristics, are linearly dependent on angle of attack only at very low values of the latter. It is pointed out that nonlinear theory provides significantly greater possibilities for practical application.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

1/2 040 UNCLASSIFIED PROCESSING DATE--110EC70
TITLE--NCNCINEAR THEORY OF A BEARING SURFACE IN AN INCOMPRESSIBLE FLOW -U-

AUTHUR-1021-YERMCLEAKUL S.D., ROVNYKH, A.V.

CEUNTRY OF INFO--USSR

SCURCE—AKADEMIIA NAUK SSSR, SIBIRSKOE OTDELENIE, IZVESTIIA, SERIIA TEKH VICHESKIKH NAUK, FEB. 1970, P. 12-21 DATE PUBLISHED----FEB70

SUBJECT AREAS--MECH., IND., CIVIL AND MARINE ENGR, PHYSICS

TCPIC TAGS-ANTIFRICTION BEARING, SURFACE PROPERTY, THIN WIN ...

CENTREL MARKING-NO RESTRICTIONS

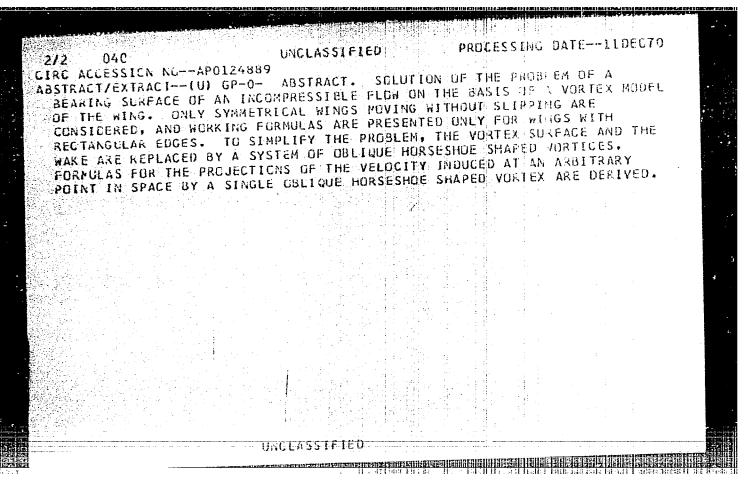
DOCUMENT CLASS--UNCLASSIFIED PROXY REGL/FRAME--2000/1235

STEP NO--UR/0288/70/000/000/000/2012/0021

CIRC ACCESSION NO--APO124889.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"



Transforeation and Structure

USSR

UDC 669.25 295.154+532.731

YEREMENKO, V. N., and CHURAKOV, M. M., Institute for Problems of Material Science, Academy of Sciences Ukrainian SSR, Kiev

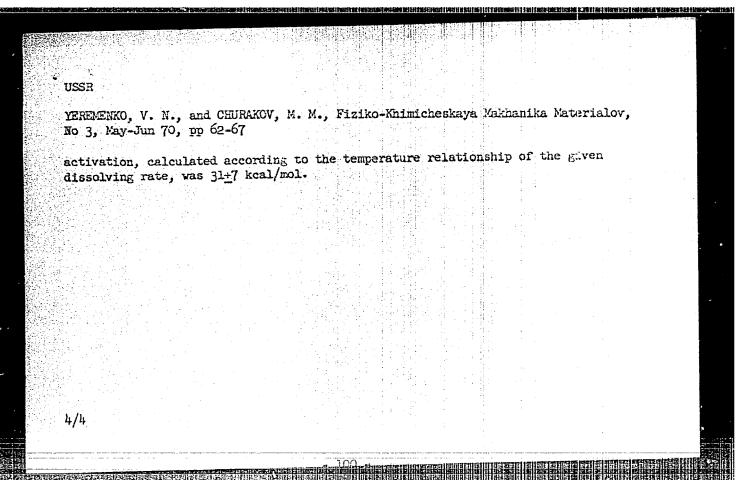
"Kinetics of Dissolving Titanium Carbide in Molten Cobalt"

L'vov, Fiziko-Knimicheskaya Mekhanika Materialov, No 3, Nay-June 70, pp 62-67

Abstract: A study was made of the effect of hydrodynamic conditions on the rate of dissolving titanium carbide in molten cobalt. The dissolving process was studied using a rotating disk since, owing to the diffusion "nonogeneity" of the disk surface, this method makes it possible to find the true values of the dissolving rate constant. Electrolytic cobalt (99.98% pure) and titanium carbide, produced by the reduction of titanium dioxide with carbon, was used. The initial titanium carbide powder contained (wt %) 18.8 total carbon, 1.2 free carbon, 0.15 Fe, and 0.08 N, while the TiC samples contained (wt %) 19.0 total carbon, 0.15 Fe, 0.10 Co, and 0.10 N. The article contains a diagram showing how the samples are fastened and a diagram showing the unit for studying dissolving rate of solids in molten metals.

From previous experience it was established that accuracy in measuring sample height during testing was unsatisfactory for reliably determining the temperature function of the reaction rate if the time to sample rupture was restricted to two hours. Therefore, in the previous research, time to rupture was determined only 1/4

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"



1/2 026 UNCLASSIFIED PROCESSING DATE--13NUV70

TITLE-CHRONIUM NICKEL OXIDE CATALYST PREPARATION CONDITIONS -U-

AUTHOR-1031-KUTANOV, I.P., YERMOLENKO, YE.N., PROKOPOVICH, A.A.

COUNTRY OF INFO--USSR

SOURCE--VESTSI AKAD. NAVUK BELARUS. SSR. SER. KHIM. NAVUK 1970, (2), 124-7

DATE PUBLISHED ---- 70

SUBJECT AREAS -- CHEMISTRY

TOPIC TAGS--THERMAL ANALYSIS, X RAY STUDY, CHROMIUM OXIDE, NICKEL OXIDE,

CONTROL MARKING--NO RESTRICTIONS

PROXY REEL/FRAME--2000/2028

STEP NO--UR/0419/70/000/002/0124/0127

CIRC ACCESSION NO--APO125616

UNCLASSIFIED

2/2 026 UNCLASSIFIED PROCESSING DATE--13NOV70 CIRC ACCESSION NO--APO125616 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. THREE SAMPLES OF MIXED CR (OH) SUB3, NI(OH) SUB2 CATALYSTS WERE EXAMO. BY DIA AND X RAY ANAL. MIXT. DE WET HYDROXIDES AND A MECH. MEXT. OF DRY HYDROXIDES EXHIBITED IDENTICAL DIA PATTERNS WITH 2 ENDOTHERMAL EFFECTS, ONE BEGINNING AT 700EGREES WITH A MAX. AT 140DEGREES CORRESPONDING TO THE DESCRIPTION OF FREE OR ADSORBED H SUBZ O AND THE OTHER LESS PROMOUNCED BEGINNING A 210DEGREES WITH A MAX. AT 23DDEGREES CORRESPONDING TO THE EVOLUTION OF H SUB2 OFFORMED FROM OH GROUPS. AN EXOTHERMAL EFFECT BEGINNING AT 320 DEGREEES WITH A MAX. AT 3400 EGREES IS QUE TO THE CRYSTN. AND PARTIAL OXION: OF CR SUB2 O SUB3. A FINAL WEAK ENDOTHERNAL EFFECT WAS OBSO. AT 6000EGREES CORRESPONDING TO THE DESORPTION OF O, WHICH HAS ADSORBED DURING THE EXOTHERMAL EFFECT AT 340DEGREES. SAMPLES HEATED IN VACUUM DID NOT EXHIBIT THIS EFFECT. THE DTA DIAGRAN OF THE CATALYST PREPD. BY SIMULTANEOUSLY COPPIG. THE HYDROXIDES FROM NITRATE SOLMS. WITH NH SUB3 DIFFERS FROM THE DESCRIBED PATTERN BY A SHARP SEPN. OF THE 1ST 2 ENDOTHERMAL EFFECTS; THE 2ND ONE IS WELL DEVELOPED AND MUCH DEEPER WITH A MAX. AT 2000EGREES. X RAY POWDER PATTERNS OF ALL SAMPLES AT SMALLER THAN 350DEGREES SHOWED AN AMORPHOUS PATTERN. FOR SAMPLES HEATED TO 340DEGREES, THEY WERE ALL IDENTICAL WITH MAX. AT 2.17, 2.49, 2.67, AND 3.64 ANGSTROM. AT 600DEGREES THEY CONTAINED ADDNE. MAX. AT 2.08, 2.51, AND 2.95 ANGSTROM. FACILITY: INST. FIZ. ORG. KHIM., MINSK, USSR.

UNCLASSIFIED

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

1/4 076 UNCLASSIFIED PROCESSING DATE--13NOV70 TITLE-FOR YOU, THE EARTH. SOME PRACTICAL APPLICATIONS OF THE SPACE

PROGRAM -U-

AUTHOR-YERMOLIN. A.

COUNTRY OF INFO--USSR

SOURCE-HOSCOW, SEL'SKAYA ZHIZN', 12 APRIL 1970, P

DATE PUBLISHED-12APR70

SUBJECT AREAS -BIOLOGICAL AND MEDICAL SCIENCES, SPACE TECHNOLOGY, METHODS AND ECUIPMENT, EARTH SCIENCES AND OCEANDGRAPHY

TOPIC TAGS-SPACE PROGRAM, SOIL, AGRICULTURE CROP, MANNED DRBITAL LABORATORY, SPACE STATION, SPACEBORNE EARTH PHOTOGRAPHY, SPECTROPHOTOMETRIC ANALYSIS, COLOR PHOTOGRAPHY, IR PHOTOGRAPHY/(U) SOYUZ B FANNED SPACECRAFT, (U) SOYUZ 7 MANNED SPACECRAFT, (U) SOYUZ 6 MANNED

SPACECRAFT

CENTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS-UNCLASSIFIED PROXY REEL/FRAME--1991/1212

STEP NO--UR/0516/70/000/000/0004/0004

\$ 100 mg

CIRC ACCESSION NO--ANOILO845

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

2/4 076 UNCLASSIFIED PROCESSING DATE-- 13NOV70 CIRC ACCESSION NO-ANOILO845 ABSTRACT/EXTRACT--(U) GP-0-ABSTRACE. SPACE VEHICLES CAN BE USED FOR SOLVING A NUMBER OF PROBLEMS, SUCH AS CLASSIFYING SOILS IN DIFFERENT REGIONS OF THE COUNTRY. THIS WILL MAKE POSSIBLE A BETTER USE OF AGRICULTURAL LANDS, SELECTING LANDS FOR THE SUMMER GRAZING AND WINTERING OF CATTLE. IN THE NOT TOO DISTANT FUTURE, USING ANALYSIS OF COLOR PHOTOGRAPHS OF SOWN AREAS, WE WILL BEGIN TO ESTIMATE THE YIELD OF PLANTS AND THEIR DEGREE OF MATURITY, THAT IS, MAKE A QUALITATIVE AND QUANTITATIVE EVALUATION OF SOWN AREAS AND CROPS AND THE DYNAMICS OF CHANGE IN THE VEGETATION COVER. THE USE OF CAMERAS OPERATING IN THE INFRARED AND VISIBLE RANGES HILL EVIDENTLY MAKE IT POSSIBLE TO EVALUATE THE EVOLUTION OF THE SNOW COVER AND HEAT BALANCE AND COMPILE TEMPERATURE MAPS. WHEN SUCH EVALUATIONS ARE WILL BE POSSIBLE TO HAVE A MORE RATIONAL DISTRIBUTION AND USE AVAILABLE IT OF SOWING AND HARVESTING EQUIPMENT. IN THIS WAY SPACE TECHNOLOGY IS BECOMING ONE OF THE POWERFUL TOOLS FOR DAY TO DAY CONTROL OVER LARGE SCALE THE MENTIONED DEVELOPMENTS. MAKING USE OF THE ADVANTAGES AGRICULTURE. OF INFORMATION RECEIVED FROM SPACE, CAN BECOME A REALITY WITH THE SPACE VEHICLES AND TECHNIQUES ALREADY IN EXISTENCE, AND LATER WITH THE ADVENT CE FUTURE SPACE VEHICLES HAVING CAMERAS WITH A GREATER RESOLVING POWER. DEPENDING ON THEIR OBJECTIVES, SPACE VEHICLES CAN CARRY SUCH APPARATUS AS THE FOLLOWING: CAMERAS WITH COLOR AND BLACK AND WHITE FILM, COLOR AND BLACK AND WHITE TELEVISION CAMERAS, VARIOUS TYPES OF SPECTRUM RADIATION DETECTORS AND OTHER INSTRUMENTS AND ANALYZERS, INFRARED DEVICES.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

医水平虫 化压油压计 076 UNCLASSIFIED PROCESSING DATE--13NOV70 3/4 CIRC ACCESSION NO--ANOILO845 ABSTRACT/EXTRACT--IN THE MULTISIDED SOLUTION OF THE AGOREMENTIONED PROBLEMS A MAJOR ROLE CAN BE PLAYED BY MANNED ORBITAL STATIONS. THE STAGE OF PERFECTING. THE EQUIPMENT IT WILL BE NECESSARY TO VALIDATE THE PRINCIPLES FOR IDENTIFYING THE IMAGES OF THE EARTH AND COMPILE CATALOGUES OF KEY PHOTOGRAPHS - SO THAT THE INFORMATION OBTAINED FROM AUTOMATIC STATIONS CAN BE INTERPRETED AND BE RELIABLE. FOR THIS REASON MAN MUST NECESSARILY PARTICIPATE IN SUCH EXPERIMENTS. AN EXPERIMENT FOR OBTAINING IMAGES OF THE EARTH AND SELECTING KEY! PHOTOGRAPHS WAS CARRIED OUT IN OCTOBER 1969 DURING FEIGHT OF THE THREE "SDYUZ" SHIPS. DURING THIS FLIGHT MUCH ATTENTION WAS GIVEN TO OPTICAL EXPERIMENTS, THE MATCHING OF PHOTOGRAPHS AND SPECTROPHOTOMETRIC MEASUREMENTS OF THE EARTH'S SURFACE OVER THE TERRITORY OF THE SOVIET UNION BETWEEN THE CASPIAN AND ARAL SEAS SIMULTANEOUSLY FROM SPACESHIPS AND AIRCRAFT AT DIFFERENT ALTITUDES ABOVE THE EARTH. ALL THIS WAS BACKED UP BY SYNCHRONOUS DATA FROM METEOROLOGICAL SATELLITES AND GROUND FIELD TEAMS. RAMPRECISE AGREEMENT WAS OBTAINED BETWEEN SATELLITE AND SUBSATELLITE EXPERIMENTS. THE EXPERIMENTS WERE MADE ON ALL THREE SPACESHIPS. THESE EXPERIMENTS LAID A BASIS FOR A THEORY OF "SPACE AGRICULTURE." SPACE METHODS ARE BEING DEVELOPED FOR STUDYING THE SURFACE CHARACTERISTICS, NATURAL CONDITIONS AND RESOURCES OF THE EARTH FROM TELEVISION IMAGES. MULTICHANNEL PHOTOGRAPHS AND SPECTRA OF RADIATION REFLECTED FROM THE EARTH'S SURFACE. THE USE OF SPACE VEHICLES IN THE SERVICE OF

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CONDUCTING SCIENTIFIC EXPERIMENTS.

AGRICULTURE REQUIRES NEW FORMS AND METHODS OF BOTH PLANNING AND

HIS REASON LENINGRAD	UNIVERSITY HAS ESTABLISHED	
IN COLLABORATION WITH	T PHYSICISTS AND	•
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F E	HIS REASON LENINGRAD OF A STREET OF THE STREET OF T	UNCLASSIFIED PROCESSING DATE13M 10845 HIS REASON LENINGRAD UNIVERSITY HAS ESTABLISHED BORATORY WHICH IS NOW FUNCTIONING. ITS PERSONN IN GEOMORPHOLOGY, GEOLOGY AND GEOROTANY. IN COLLABORATION WITH PHYSICISTS AND KING ON THE MULTISIDED DEVELOPMENT OF METHODS RCES AND MAKING RECOMMENDATIONS ON THEIR RATIO

USSR

UDG 621.314.58(088.8)

BANANOV, I.V., YERMOLIN, YU.A., KOZLOV, L.G., MASLYUKCV, O.A., SAVUSHKIN, A.K. [Mosk. in-t inshare transp.--Moscow Institute Of Reilroad Transportation Engineers

Device For Control Of Frequency Converter®

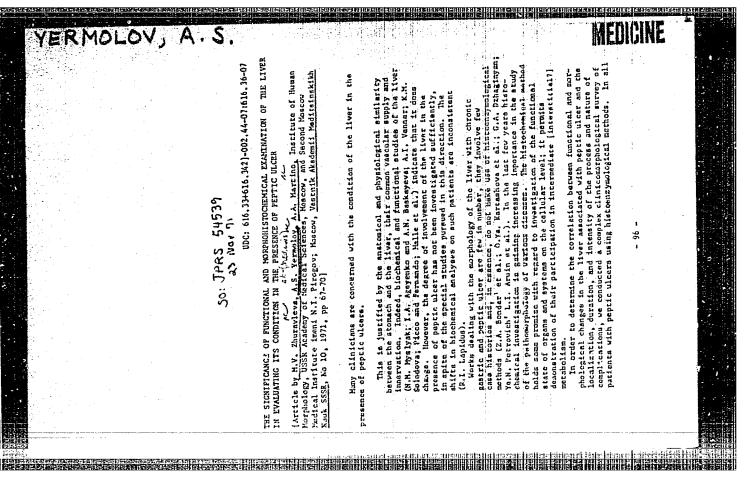
USSR Author's Certificate No 251670, filed 23 May 68, published 30 Jan 70 (from RZh-Elektronika i yeye primeneniye, No 12, December 1970, Abstract No 128524P)

Translation: The device proposed for control of a frequency converter contains a master unit with a multicell shift register and triggers. In order to simplify the device and to obtain optimum power, the output of one of the calls of the shift register is connected to one of the inputs of each trigger and the other input of each trigger is connected to the output of one of the next cells with respect to the performance of the shift register. 1 ill.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"



IER	MOLO		dig	Su Partico	MEDICINE	9 F
	In spite of this, we mus patients with gastroducdenal bl department and they should be t fumediate danger. "* S.I. Space "Yu.Yu. Dzhanelidze" Sovetekaya	gative of a surgeon appropriate case (little dictions include: pland extremely critisto stop bleeding by costop bleeding by costop surgical methods pathology (crosave; finally, bleeding thinally, bleedin	For more than 10 method of choice for the digestive tract. This didection since are very diverse, are very diverse, the lost compal us to consider group of such hemorrhages, the lost compal us to considered group of gentrod bleeding and stubilizing determines, in assence,	GICAL TACTICS GICAL TACTICS (1) Ficis by Yu Ye cor Hedical In siam, No 7, 1		
	In spite of this, we must agree with patients, with gastroducdenal bleeding should be considered as immediate danger. "A S.I. Spasokukutekiy be "Yu.Yu. Dzhanelidze, Sovetskaya Khirurriya			SO: JARS 54 53 A9 3GP 9 UDC: 616,33+616.342-005,1-08 SURGICAL TACTICS IN GASTADDUDDENAL HEMORRHAGES [5,75499] [Article by Yu.Ye. Berezov, 1.6. Kochergin, A.S. Yerredlov, M.D. Lapin, Mocrow Hedical Institute; Roscov, Veninith Mindemil Redizationkith Nauk Russian, No 7, 1971, pp 55-591		
2	we must agree with Yu.Yu. Dehanelidae, al bleeding should be referred to the local considered as subjects whose life Spackukorskiy believed that all parts skaya Khirurkiya (Soviet Surgery), No	d requires surgery encounters as at contradications between what is stilled or unjustified risk). So serious condition of the partient laurgical intervention in the salvature of the particular nature of the particular nature of arreating bleeding in the presentifies, arroston of varicose each tools not respend to surgical cand others).	00 years there has been a scientific debate as to the treatment of patients with hesorraging in the debate is particularly heated with respect to gastro-a this is encountered the most often and its causes of determining the causes and sometimes the location has serious condition of the patient because of the blockier the development of standard tactics for the duodenal hemorrhages directed toward stopping the duodenal hemorrhages directed toward stopping the figure and tactics.	CO: JARS A9 3GA UDC: 61 UDC: 61 CO: 61 UDC: 6		3
	thanel tred t those at all		orn a scientific debute as to the with hemorraging in the lated with respect to gas the most often and its cause the most often and its cause fits pattent because of the pattent because of the structural structural for the lirected toward stopping the The solution to this problem.	19 369 11 UDC: 616,33+616.342-005,1-089,811 HAGES Luz D, A.S. Yerregley, M.D. Lapin, Secon Arademii Medical arkiki hank 5588,		
	idze, chát "all b the surgical life is in patients with), No 5, 1933,	re specific conditions in is necessary and what is Such conditions and controlled the controlled the conditions and controlled the conditions and controlled the conditions and conditions that caused that creas, etc); unreliability resence of some forms of eschagasi vains) and, tamangement (hemorrhugic	glog in the gastrespect to gastrespect to gastres and its causes are the location best the location of the brice for the atoping the to this problem	342-005,1-089,811 M.D. Lapin Second makikh Manik SSSR,	Coreen	

UNCLASSIFIED PROCESSING DATE--160CT7G TEX-DETERMINATION OF THE ACTIVITY OF PHENYLALANINE HYDROXYLASE IN THE HEPATIC TISSUE -U-THOR-LOS)-POKROVSKIY, A.A., USACHEVA, N.T., MILOVA, G.N., YERMOLAYEV, M.V., YERMOLOV, A.S. DUNTRY OF INFO--USSR DURCE-BYULLETEN' EKSPERIMENTAL'NOY BIOLOGTI I MEDITSINY, 1970, VOL 69, NR 5, PP 122-124 ATE PUBLISHED----70 UBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES DPIC TAGS--LIVER, ENZYME ACTIVITY, BIOPSY, PHENYLACANINE ONTROL MARKING--NO RESTRICTIONS OCUMENT CLASS--UNCLASSIFIED ROXY REEL/FRAME--1998/0207 STEP NO--UR/0219/70/069/005/0122/0124 IRC ACCESSION NO--AP0120905 ____UNCLASSIEIED

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UNCLASSIFIED

PROCESSING DATE--18SEP70

TIFLE--SURGERY OF GASTRODUODENAL PEPTIC ULCER -U-

AUTHOR-(02)-BEREZOY, YU.YE., YERMOLOY A.S.

CCUNTRY OF INFO--USSR

SOURCE-KHIRURGIYA, 1970, NR 4, PP 30-36

DATE PUBLISHED----70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS-DIGESTIVE SYSTEM DISEASE, SURGERY, HEMORRHAGE, DUDDENUM, STOMACH, SECRETION

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1983/1240

STEP NO--UR/0531/70/000/004/0030/0036

CIRC ACCESSION NO--APO054135

UNCLASSIFIED

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

2/2 UNCLASSIFIED PROCESSING DATE--18SEP70 CIRC ACCESSION NO--AP0054135 ABSTRACT/EXTRACT--(U) GP-0-ABSTRACT. THE ARTICLE DEPICTS THE MAIN PROBLEMS CONCERNED WITH SURGERY OF PEPT6C ULCER. THE INDICATIONS TO THE OPERATIVE TREATMENT OF THIS DISEASE ARE DISCUSSED. OPERATIVE TREATMENT IS DEEMED INDICATED MAINLY IN COMPLICATIONS OF PERTIC ULCER. IN A NONCOMPLICATED COURSE OF THE DISEASE OPERATIVE TREATMENT IS DEEMED EXPEDIENT ONLY WHEN IT IS IMPOSSIBLE TO ACHIEVE A STABLE REMISSION WITH THE AID OF THERAPEUTIC METHODS. THE SURGEONS TACTICS IN PERFORATIVE AND HEMORRHAGIC GASTRODUODENAL ULCERS IS DISCUSSED. THE AUTHORS ARE OF THE OPINION THAT IT IS EXPEDIENT TO PERFORM PALLIATOVE INTERVENTIONS IN SUCH COMPLICATIONS AND TO LIMIT THE USE OF RADICAL OPERATIONS (IN THE TREATMENT OF PEPTIC ULCER) ONLY IN THE PRESENCE OF STRICT INDICATIONS. THE POSSIBILITY AND EXPEDIENCY OF USING VAGOTOMY IN COMBINATION WITH DRAINAGE OPERATIONS AND ANTRECTOMY ARE DISCUSSED. BASING UPON THE EXPERIENCE GAINED WITH 116 OPERATIONS FOR GAST740U4DENAL PEPTIC ULCER THE AUTHORS PROPOSE TO DETERMINE THE TYPE OF OPERATION IN ADDITION TO VAGOTOMY DEPENDING UPON THE TYPE OF MOTORICITY AND SECRETION OF THE STOMACH.

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UNCLASSIFIED

PROCESSING DATE--13NOV70

TITLE--LABORATORY INSTRUMENT FOR EVALUATING THE ANTIWEARING PROPERTIES OF MOTOR OIL, HYDRAULIC FLUID, AND JET FUEL -U-

AUTHOR-(04)-FILATOV, P.G., KLIMOV, K.I., CHURSHUKOV, YE.S., YERMOLOV, F.N.

COUNTRY OF INFO--USSR

SOURCE--MSOCOW, VESTNIK MASHINDSTROYENIYA, NO 2,

DATE PUBLISHED ---- 70

SUBJECT AREAS -- MATERIALS, PROPULSION AND FUELS, METHODS AND EQUIPMENT

TOPIC TAGS--PHYSICS LABORATORY INSTRUMENT, LUBRICATING OIL, HYDRAULIC FLUID, JET FUEL, TEST METHOD, FRICTION TEST, ANTIWEAR ADDITIVE

CONTROL MARKING--ND RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3003/1870

STEP NO--UR/0122/70/000/002/0054/0056

CIRC ACCESSION NO--APO130697

------UNCLASSIBLED

2/2 029 CIRC ACCESSION NOAPOL30697 ABSTRACT/EXTRACT(U) GP-O- INITATING THE WORK OF REAL MOTION. ANTIWEARING PROPER THE FLUIDS TESTED. PROCEDE OF DILS AND FUELS ARE DEVEL TWO ILLUSTRATIONS, AND FOUR	ABSTRACT. A DESCRI FRICTION PAIRS WITH RTIES ARE DETERMINED URES FOR EVALUATING	PTION IS GIVEN OF SEQUENTIAL RECIPR IN THE VOLUME OF THE ANTIMEARING PRO	A UNIT DCATING
	A OIDLIUGKAPHIC ENTR	IES.	
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UDC: None

YERMOLOV, I. N., VOPILKIN, A. Kh., and RYZHOV-NIKONOV, V. I.

"A Device for Ultrasonic Defectoscopy"

Moscow, Otkrytiva, izobreteniya, promyshlennyye obrastsy, tovarnye znaki, No 4, 1973, p 98, No 363911

Abstract: The distinctive feature of this device for use in defect-locating equipment is a second oscillograph indicator with scanning ing. This has the effect of improving the accuracy of determining the form and dimensions of the defects. No illustration of the circuit is given.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

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USSR

UDC: 621.317.76(088.8)

YERMOLOV R. S.

"A Digital Instrument for Low-Frequency Measurement"

USSR Author's Certificate No 256866, filed 20 Nov 67, published 16 Apr 70 (from RZh-Radiotekhnika, No 11, Nov 70, Abstract No 11A300 P)

Translation: The proposed instrument contains a unit for measuring the period of electrical oscillations and a code comparison unit. As a distinguishing feature of the patent, speed is increased by using a reference frequency pulse generator and a reference frequency pulse counter connected in series. The set input of the reference frequency pulse counter is connected to the input of the pulse counter in the code comparison unit, and the input of the reference frequency pulse generator is connected to the unit for measuring the period of electrical oscillations. The code comparison unit is connected between the unit for measuring the period of electrical oscillations and the reference frequency pulse counter.

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- 1.1.9 -

Acc. NT MPCO36830

PRIMARY SOURCE: Zhurnal Mikrobiologii, Epidem chegai, Immunobiologii, 1970, Nr 1, PP/30-/32

DYNAMICS OF DETECTION AND IMMUNOLOGICAL ROLE PLAYED BY NORMAL ANTIBODIES IN DEVELOPING ANIMALS

Vermolov, V. I.

The incidence of detection and the biological role of normal antibodies in the progeny of method and agglutination) were constantly revealed in the fetuses and growing pupples. The accompanied by increased phagocytic and bactericidal activity of the blood, this pointing to their stimulating action of the monspecific immune mechanisms in maturing animals.

P.W.

REEL/FRAME

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

UDC 669.295:620.18: :621.791.052

YERMOLOVA, M. I., and FOLOMEYEVA, M. A., All-Union Scientific Research Institute of Aviation Materials

"Structure and Phase Transformations in Welded Joints of VT14 and VT22 Alloys"

Moscow, Metallovedeniye i Termicheskaya Obrabotka Metallov, No 12, 1973, pp 59-62

Abstract: Welded specimens of two-phase titanium alloys VT14 and VT22, 1.5-2.0 mm thick, produced by automatic argon-arc welding without additive, were investigated after welding and following heat treatment. In the welded joint of VT14 alloy metastable α' , α'' , and β -phases develop after welding, the decay products of which lead in prolonged aging to a plasticity loss of the welded joint metal in the near-scam weakness zone. In the welded joint of VT22 alloy, the metastable β -phase developing

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

YERMOLOVA, M. I., and FOLOMEYEVA, M. A., Metallovedeniye i Termicheskaya Obrabotka Metallov, No 12, 1973, pp 59-62

after welding disintegrates on aging and produces an embrittling ω -phase. Welded joints of both alloys are not recommended to be applied without stabilizing anneal, because the decay products of their metastable phases, developing in the seam and in the near-seam zone, after heating at 300-400°C lower the plasticity of the metal. Three figures, three tables.

2/2

_ 58 _

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

. USR

WC 669.295:669.017.3

IASHKO, N. F., KHATSINSKAYA, I. M., and YERMOLOVA, M. I., All-Union Institute of Aviation Materials

"Volume Changes in the Decomposition of Metastable Phases in Titanium Alloys"

Sverdlovsk, Fizika Metallov i Matallovedeniye, Vol 33, No 2, Feb 72, pp 275--- 283

Abstract: Results are presented of a dilatometric investigation of a number of alpha-beta titanium alloys with the following chemical compositions (in wt %): OT4-2.5-4.5 Al, 0.8-2.0 Nm; VTZ-1-6.5 Al, 1.5 Cr, 2.5 No, 0.4 Fe; Alloy 1-4.0 Al, 2.1 V, 1.2 Cr, 7.65 Mo; and VT22-4.7 Al, 5.0 V, 1.1 Cr, 5.0 No, 1.0 Nm. It was found that the formation of a stable beta-phase, enriched with beta-stabilizing elements, is a leading process causing a volume change in the decomposition of the metastable phase. Development of the omega phase, as a result of beta-phase diffusion decomposition, precedes the decrease in volume associated with the formation of an enriched beta-phase. In the first stage of metastable alpha'-phase decomposition in Alloy 1, where the alpha'-phase was fixed by quenching from the single-phase region or from the two-phase region (VTZ-1), the decrease in volume associated with depletion of the alpha'-phase and its conversion to the alpha'-phase.

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USSR

LASHKO, N. F., et al., Fizika Metallov i Metallovedeniye, Vol 33, No 2, Feb

Decomposition of the alpha'-phase occurs with a general decrease in alloy volume which stems from precipitation of the beta-phase, and its enrichment and volume increase during alpha'-phase formation. Ye. V. Znamenskaya, V. N. Moiseyev, and O. P. Solonina participated in this work. Five figures, 7 tables, 10 bibliographic references.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

JDC 509.433:519.67:807.311.3

KHATSINSKAYA, F. M., LASING, S. F., and VERENDOVA, M. V., All-John Scientific-Research Institute of Aviation Materials

"Degree of Stability and Anomaly of Electrical Resistance of Metastable Chases in 50+ \$6 Titanium Alloys"

Sverdlovsk, Fizika Macallov i Macallovedeniya, Vol 30, No 2, Aug 70, 19 336-347

Abstract: Physical methods (electrical resistance and N-ray structural analysis) were used to study the specifics of metastable phase decomposition in $\alpha-\beta$ ititinium alloys. An anomalous change in electrical resistance was noted upon heating of the α , α and r and phases in the temperature matrix α described upon The anamhous change of electrical resistance of the matasta α detres is reversible within certain temperature intervals, depending on the largues of stability. The anomaly in electrical resistance is related to specific features of the electron structure of the transition metals included in the $\alpha+\beta$ thanks when α , α and β are phases are heated. The temperature described alloys electrical resistance of all metastable phases formed in α , α in alloys decreases with increasing metastability. The change in the temperature

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

KHATSINSKANA, I. K., et al, Fizika Merallov i merallovedeniye, Vol 30, No 2, Aug 70, pp 355-347

coefficient of electrical resistance upon heating is apparently related to a redistribution of localized and nonlocalized s- and d-electrons, resulting in a partial change in the nature of the chemical bond in these phases.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

1/2 TITLE--EXPERIENCE WITH INTERNATIONAL STANDARDIZATION OF BIOLOGICAL PROCESSING DATE--18SEP70 AUTHOR-(04)-YAKOBSON, L.M., SHIRYAYEVA, V.L., SNEZHNOVA, L.P., YERMOLOVA, BIRITAGE SERVENCE

COUNTRY OF INFO--USSR, UNITED KINGDOM, WORLD WIDE

SOURCE-ANTIBIOTIKI, 1970, VOL 15, NR 3, PP 232-235

DATE PUBLISHED ---- 70

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CIRC ACCESSION NO--APO100943

UNCLASSIFIED

UNCLASSIFIED PROCESSING DATE--18SEP70 2/2 007 CIRC ACCESSION NO--AP0100943 ABSTRACT. THE 2ND PROPOSED SERIES OF THE ABSTRACT/EXTRACT--(U) GP-0-INTERNATIONAL ACTIVITY STANDARD OF CHLORTETRACYCLINE WAS STUDIED WITH THE THREE DOSE AGAR DIFFUSION METHOD. THE CAVES WITH THE WORKING CONCENTRATIONS OF THE TEST SOLUTION AND THE STANDARD WERE SITUATED ACCORDING TO THE LATIN SQUARE. AT P-95 ACTIVITY OF THE PREPARATION IN 13 TESTS WAS 1038 TO 1060 MUG-MG. THE DATA FROM 9 LABORATORIES IN 6 COUNTRIES WERE STATISTICALLY TREATED IN THE CENTER FOR ANTIBIOTIC STANDARDIZATION OF THE WORLD HEALTH ORGANIZATION IN LONDON. THE AVERAGE ACTIVITY OF THE PROPOSED STANDARD OF CHLORTETRACYCLINE WAS FOUND TO BE 1004 NU G-MG. THE WHO EXPERT COMMITTEE APPROVED THE NEW INTERNATIONAL STANDARD OF CHLORTETRACYCLINE AND ASSUMED ITS SUPPOSED ACTIVITY TO BE 1000 MU G-MG. THE UNIT OF AGTIVITY WAS EQUAL TO 1 MU G. UNCLASSIFIED

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

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Coatings

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UDC 620.197.6

PAVLOVA, F. S., GERASIMOV, V. V., and YERMOLOVA, T. A.

"Electrochemical Behavior of Type OKhl8NlOT Steel With Aluminum Coating"

Moscow, Zashchita Metallov, Vol 7, No 2, Mar-Apr, 1971, pp 187-189.

Abstract: The effectiveness of a coating of 0.3-mm type AD-1 Aluminum on OKh18N10T steel for increasing corrosion resistance in a cold 0.001 n solution of NaCl was tested. The experiments showed that the effectiveness of electrochemical protection increases with increasing solution temperature, and the electrode potential of the coating decreases. The data produced indicate that lack of aluminum coating over sectors up to 3 $\rm Cm^2$ in area is not dangerous from the standpoint of development of corrosion cracking, since the nearest aluminum layer provides cathode protection for the steel under these conditions.

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UDC: 620.193.2

USSR

PAVLOVA, F. S., GERASIMOV , V. V., and YERMOLOVA, T. A.

"Behavior of Protective Metal Coatings in Fresh Water"

Moscow, Zashchita Metallov, Vol6, No 5, Sep-Oct 70, pp 622-625

Abstract: There is rather limited information on the corrosion and electrochemical behavior of single—and multi-layer metal coatings in an aqueous medium of a given composition. This study involved ORMLENIOT steel, coated with nickel (100 microns), chromium (250 microns), cadmium (60 microns). The corrosion rate was determined by loss of weight. The high corrosion resistance of chromium and electrolytic nickel derives from the fact that their stationary potentials are in this passive region; for phosphorus-containing nickel and for cadmium the potentials are in the active dissolution region. The cadmium coating in cold water electromic active dissolution region. The cadmium coating in cold water electromic chemically protects the steel base. An increase in temperature chemically protects the steel base. An increase in temperature alters the stationary potentials of both cadmium and type-20 alters the steel sometimes becomes the anode. Chromium, owing to

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USSR

PAVLOVA, F. S., et al, Zashchita Metallov, Vol 6, No 5, Sep-Oct 70,

its high passivation capacity, is indispensable as the upper layer of multilayer coatings of Cu-Ni-Cr, Ni-Ni-Cr. Cathodic coatings were found to protect steel, provided the latter has no scratches, pores, and nicks. In electrochemical terms, a 60-micron coating comprising two layers of nickel and an upper chromium layer was found to protect steel against

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USSR

UDG [537.226+537.311.33]:[537+535]

YERMOLOVICH, Yu. B.

"Thermomagnetic Phenomena in Nonparabolic Zones in the Mixed Mechanism of Scattering by Acoustic Oscillations in the Lattice and by Ionized Impurities"

Vestn. Kivev. politekhn. in-ta. Ser. radioelektron. (Bulletin of the Kiev Polytechnical Institute. Radioelectronics Series), 1971, No 8, pp 41-43 (from RZh Fizika, No 12, Dec 71, Abstract No 12Ye1321)

Translation: A theory of a nonparabolic zone was developed for the case of a mixed mechanism of scattering by acoustical phonons and by ionized impurities. Formulas are obtained for the constant of the Nernst-Ettingshausen effect and the thermal emf in a null magnetic field in the presence of current carriers of both signs. Authors' abstract.

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Semiconductors and Transistors

USSR

UDO 537.311.33:546.682'86

YERMOLOVIOH, YU.B.

"Mobility And Mechanism Of Scattering Of Holes In Indium Antimonide At Low

Vestn. Kiyev. politekin. in-ta. Ser. radioelektron. (Bulletin Of Kiev Polytechnical Institute. Radioelectronics Series), 1970, No 7, pp 148-152 (from RZh-Elektronika i yeye primeneniye, No 1, January 1971, Abstract No 1834)

Translation: On the basis of cyclotron-resonance measurements the magnitudes are calculated of the mobility of holes in InSb resulting from scattering at acoustics phonons and at ionized impurities. Good agreement with experiment is

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YERMOLOVS'KYY, M. A.

UCC 510

"On the Relation Between Theory and Model in Scientific Cognition"

Filos. probl. suchasn. pryrodozn. Mizhvid. nauk. zb. (Philosophical Problems in Modern Natural Science. Interdepartmental Collection of Scientific Works), 1971, vyp. 25, pp 63-67 (Ukrainian; Russian summary) (from RZh-Matematika,

Translation: The idea is developed that the representation of a theory as a model of the object which this theory reflects is one of the directions in the solution of methodological problems in modeling. In this connection a theory is regarded as the model of an object which produces the relative independence of knowledge and is the basis of the separation of this knowledge from the

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YERMOL'YEVA, Z. V., Academician of the Academy of Medical Sciences USSR, UDC 615.281.8:547.678.3 KORNEYEVA, L. Ye., BALEZINA, G. I., NIKOLAYEVA, O. D., GVAZAVA, I. S., and FADEYEVA, L. L., Institute of Virology imeni D. I. Ivanovskiy of the Academy of Medical Sciences USSR and the Chemical Therapy Group of Academician of the USSR Academy of Medical Sciences Z. V. Yermol'yeva

"Tyleron as an Interferon Inductor"

Moscow, Antibiotiki, Vol 18, No 6, Jun 73, pp 517-520

Abstract: In the current investigation the harmlessness, interferonogenic activity, and protective action (against infectious viral diseases) of tyleron hydrochloride were tested by administering the drug to white mice hypodermically and orally and to monkeys orally. It was established that there is no toxic effect from various dosages of tyleron hydrochloride with either method of introduction. A marked interferomogenic action was obtained where tyleron hydrochloride was given to mice in dosages of 5, 10, and 20 mg/kg and where 25 mg/kg were administered to monkeys. Oral administration proved more beneficial, while no difference was found between a dosage given in one part daily and given in three equal parts daily. Combining tyleron and prodigiozan made it possible to cut the dosage of

YERMOL'YEVA, Z. V., et al., Antibiotiki, Vol 18, No 6, Jun 73, pp 517-520

tyleron in half and increased the titer and length of interferon circulation in the blood by 50%. Tyleron was found to have a marked protective effect for influenza pneumonia in mice, despite low titers of circulating interferon. On the basis of this investigation, tyleron hydrochloride may be recommended as an effective interferon inductor.

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UDC 615.331 (PRODIGIOSANUM).015.46

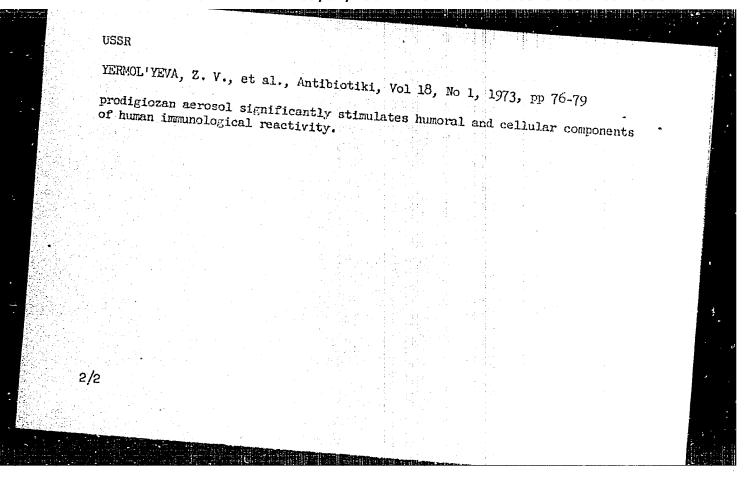
YERMOL'YEVA, Z. V., VAYSBERG, G. YE., BRAUDE, A. I., TARAMENKO, L. A., LUSHINA, L. A., GIVENTAL', N. I., and SHCHERBAKOVA, E. G., Laboratory of Medical Pathology and Laboratory of New Antibiotics, Chair of Microbiology, TsIU [Central Institute for the Advanced Training of Physicians], Moscow

"The Effect of Prodigiozan Inhalation on the Immunological Reactivity of the Human Body"

Moscow, Antibiotiki, Vol 18, No 1, 1973, pp 76-79

Abstract: Inhalation of prodigiozan promotes immune reactions in the human body. Thus, in a group of 78 subjects aged 19 to 59, a single inhalation of 5 ml of a 0.04% prodigiozan aerosol (obtained under 0.5-0.8 atm at a rate of 12-15 L/min) increased the number of active neutrophils from 53 to 74% in 24 hrs in all subjects, and the increased phagocytic activity was maintained at least up to the 48th hr after inhalation. At the same time, the inhaled prodigiozan increased alkaline phosphatase activity in the neutrophils of peripheral blood from 42 to 115 conventional units in 35 out of 39 subjects, raised lysozyme concentration from 2.7 to 3.5 mcg/ml of blood serum in 12 out of 27 subjects, and induced formation of interferon in titers of 7-13 units/ml serum in 10 out of 10 subjects. It is concluded that a single inhalation of 1/2

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YERMOL'YEVA, Z. V. and VED'MINA, Ye. A.		
Mikrobiologicheskaya Diagnostika Kholery (Microbiological Diagnostika Kholery), Moscow, USSR Ministry of Health, 1971, 20	annin - f	
Cholera), Moscow, USSR Ministry of Health, 1971, 28 pp	iosis oi	
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	Kholery, Moscow, USSR Ministry of Health, 1971, 28 pp		
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YERMOL'YEVA, Z. V., et al. Voprosy Virusologii, No 4, Jul/Aug 71, pp 442-446

intervals of 3-4 days. The fourth group received placebos. The effectiveness index of interferon was 3.0 (frequency of diseases three times smaller than in the placebo group) in the interepidemic period ami 2.2 during the epidemic. The effectiveness index of interferon with ecmoline was 1.8, and that of UF virus was 3.0 in the interepidemic period. All differences are statistically significant. Since no toxic effects were observed, the method is recommended for the prevention of influenza and other acute respiratory diseases.

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UDC: 616.988.75-085.371:576.85.23(ECHO)7-036.8

ELIMOVA, M. I., FITOVA, V. V., VOROSHILOVA, M. V., VERMOLIVEVA, Z. V., Central Institute for the Advanced Training of Physicians, Institute of Virology imeni Ivanovskiy, Academy of Medical Sciences USSR, Institute of Policyelitis and Viral Incephalitides, Academy of Medical Sciences USSR, Moscow

"Study of the Epidemiological Effectiveness of the Stimulator of Interferon Formation During an Gutbreak of A2 (Hong Knog) Influenza"

Moscow, Zhurnal Mikrogiologii Epidemiologii i Immunobiologii, Vol 48, No 1, Jan 71, pp 70-73

Abstract: More than 100 new viruses producing respiratory diseases have been discovered during the past ten years, requiring development of new prophylactic methods.

A study in groups of children and edults showed that ZhEV-li (Zhivaya enterovirusnaya vaktsina--live enterovirus vaccine), a stimulator of interferon formation, had a prophylactic effect for healthy persons in contact with infected persons. Per-oral immunization of children by vaccine (in a 1:10 dilution) at

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USSR

BIJNOVA, M. I., et al., Zhurnal Mikrogiologii Epidemiologii i Immunobiologii, Vol μβ, No 1, Jan 71, pp 70-73

two-week intervals reduced incidence by a factor of 2.8; the protective coefficient was 61%. The same results were obtained with adults. After intranasal administration of the vaccine, the incidence of influenza dropped by a factor of 2.6 and the protective coefficient was 61%. Persons who received a single vaccine administration had a mild form of flu. When people received the vaccine twice or three times, only isolated cases were observed. There were no incidents of allergy or side reactions. The best effect was observed when the vaccine was used in a 1:10 dilution perorally.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

Acc. Nr.: AP0029499

Ref. Code: UR 0297

PRIMARY SOURCE: Antibiotiki, 1970, Vol 15, Nr 1, pp.25-28

A STUDY OF THE CHEMICAL COMPOSITION AND ANTITUMOR ACTIVITY
OF PROTAMINES, ISOLATED FROM STURGEON MILT
Yermol'yeva, Z.V.; Silayev, A.B.; Yulikova, Ye.P.;
Pokidova, N.V.; Pasternak, N.A.; Kolosova, I.V.;
Yevseyenko, L.K.; Shenderovich, V.A.
Central Post Graduate Medical Institute, Moscow State University

Triprotamines in the form of sulfates were isolated from the milt of individual sturgeon stocks. The amino acid composition of triprotamines was determined and their antitumor activity was studied. It was shown that protamine from Ac. guldenstadti and Ac. stellatus inhibited tumor growth by 60—80 per cent, while protamine from Ac. nudiventris was practically inactive.

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UDC 621.316.721

AZAT'YAN, G.A., BELEN'KOV, N.M., YERMOSHIN, V.D., KOMAROV, L.I., KURNOSOV, A.I.

"Analysis Of Operation And Production Technology Of Current Regulator"

Elektron. tekhnika. Nauchno-tekhn. sb. Poluprovodn. pribory (Electronic Technology. Scientific-Technical Collection. Semiconductor Devices), 1970, Issue 3(53), pp 67-72 (from RZh--Elektronika i yeye primeneniye, No 1, January 1971, Abstract No 18477)

Translation: The circuit is considered of a current regulating two-terminal network using translators and semiconductor diodes, which is intended to be accomplished as a hybrid microcircuit. The production technology for the hybrid circuit is considered and its parameters are cited. 5 ill. 5 ref. S.D.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

UDC: 531.312.62

YERMOSHIN, V. N.

"On the Problem of Making Standard Superconductive Inductance Coils for Frequencles of up to 1 MIz"

Dokl. Vses. nauchno-tekhn. konferentsii po radiotekhu. izmereniyam. T. 1 (Reports of the All-Union Scientific and Technical Conference on Budio Engineering Measurements. Vol. 1), Novosibirsk, 1970, pp 27-29 (from RMh-Radiotekhnika, No 12, Dec 70, Abstract No 12D523)

Translation: The problem of exact calculation of the inductance of a solenoid on elevated frequencies (up to 1 MHz) reduces in the general case to determining corrections for the effect of such factors as skin effect, distribution of capacitence and distribution of resistance of the coil. For conventional solenoid designs, the effect of coil resistance can be disregarded. The distributed capacitance of a solenoid can be reduced by reducing the diameter of the solenoid and increasing the pitch of the winding. Calculation showed that using a linear conductor with a cross section measurement of the order of 0.01 mm for the winding can reduce the distributed capacitance of a solenoid by a factor of 5. However, such a solenoid would have high resistance, and consequently low Q. Thus the

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YERMOSHIN, V. N., Do	kl. Vses. nauchno	-tekhn, konfer	entsii po radio	ekhn.	
izmereniyam. T. k. N	ovosibirsk, 1970,	pp 27-29			
linear solenoid desi	gn makes sense wh	ere supercondu	ctivity is pres	ent. In	
this regard, inducta	nce can be calcul	ated with high	precision. A.	K.	
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UDC: 681.121+551.571:665.61

GABDULLIN, T. G., YERMOSHIN, Yu. A., ZINATULLIN, F. L., MUSINA, R. G.

"A Depth Instrument for Simultaneous Measurement of Flowrate and Moisture Content"

Tr. Tatar. n.-i. i proyekt. in-t neft. prom-sti (Works. Tatar Scientific Research and Planning Institute of the Petroleum Industry), 1971, vyp. 20, pp 318-328 (from RZh-Metrologiya i Izmeritel'naya Tekhnika, No 6, Jun 72, Abstract No 6.32.581)

Translation: It is shown that a combination instrument which provides for simultaneous measurement of discharge rate and moisture content in a water-petroleum mixture separately by strata is needed when determining the point of leakage into a well. A description is given of the device, the principle of action, and the results of laboratory and industrial tests of the combination instrument. The influence of principal factors on measurement results is determined on the basis of the laboratory tests, and a procedure is given for taking these factors into account when making deep measurements. Five illustrations, one table, bibliography of six titles.

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USER

UDC 519.281

YERMURATSKIY, P. V.

"A Complex Method"

Tr. Mosk. Energ. In-ta [Works of Moscow Power Institute], No 76, 1970, pp 89-94, (Translated from Referativnyy Zhurnal, Kibernetika, No 6, 1971, Abstract No 6 V167 by Yu. Pollyak).

Translation: An algorithm is described for seeking the minimum of the function

$$f(x), x = ||x_1, \ldots, x_k||$$

in a convex area defined by the limitations:

$$g_i < x_i < h_i, i = 1, 2, ..., m_i < k;$$
 (1)

$$g_l \leqslant \varphi_i(x) \leqslant h_i, \ i = k + 1, \dots, m. \tag{2}$$

Error-free calculation of f (x) and ϕ_i (x) is assumed. Search is reduced to generation of N random points (the "complex"), evenly distributed in the area fixed by limitations (1) with subsequent displacement of points not satisfying conditions (2), in the direction toward the center of gravity of the points satisfying condition (2). If the points thus produced $x_j = |x_{1j}, x_{2j}, \dots, x_{kj}||$ (points of the complex) are located compactly, so that

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USSR UDC 519.281
YERMURATSKIY, P. V., Tr. Mosk. Energ. In-ta, No 76, 1970, pp 89-94.

$$\frac{1}{2k} \sum_{i=1}^{k} ((c_i - x_{i|i}) + (c_i - x_{i|i})) < \varepsilon$$

 $(x_{j1}, x_{i1}]$ are points from set x_j , $j=1,2,\ldots,N$, corresponding to the greatest and the least value of f(x), $c_i=\frac{1}{N-1}\left(\sum_{l=1}^N x_{il}-x_{il}\right)$ are the coordinates of the center of gravity of the points (with the exception of point x_{i1}), ϵ is a fixed (small) constant), then point x_{i1} is taken as an estimate of the minimum. Otherwise, the complex is perturbed, the procedures of displacement of points and testing of compactness is repeated, etc. An ALGOL program of the algorithm is given. In the realization of this program for the BESM-4 computer, $k \le 40$, $m \le 4k$.

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USSR

UDC 519.281

YERMURATSKIY P. V.

"Method of Rotating Coordinates (Rozenbrok Method)"

Tr. Mosk. Energ. In-ta [Works of Moscow Power Institute], No 76, 1970, pp 95-101, (Translated from Referativnyy Zhurnal, Kibernetika, No 6, 1971, Abstract No 6 V168 by Yu. Pollyak).

Translation: An algorithm is described, realizing the method of search for a unique extreme (in the permissible area fixed by inequalities) of continuous function f (x) suggested by H. Rozenbrok (Rozenbrok, H., Story, S., Vychislitelnyye Metody Dlya Inzhenerov-khimikov [Computer Methods for Chemical Engineers], Mir Press, Moscow, 1968, p 107). The algorithm is reduced to coordinate-by-coordinate descent with periodic rotation of coordinate axis. The value of the step on each coordinate is selected during the computation process. If relief f (x) contains a hill or valley, the direction of motion toward the extreme (i.e. the corresponding axis of the coordinates) is automatically set along the hill or valley. An ALGOL program for the algorithm and a test example are given.

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UDC 519,281

YERMURATSKIY, P. V

"Method of Optimization with Variation of Metrics"

Tr. Mosk. Energ. In-ta [Works of Moscow Power Institute], No 76, 1970, pp 102-107, (Translated from Referativnyy Zhurnal, Kibernetika, No 6, 1971, Abstract No 6 V169 by Yu. Pollyak).

Translation: An iteration algorithm for search for the local extreme of a continuous function f(x) is presented (without limitation of the area of change of $x = ||x_1, ..., x_k||$), suitable for the case when f(x) has continuous first derivatives and is approximated near the extreme by a quadratic function of variables $x_1, ..., x_k$. On the nth (n = 1, 2, ...) cycle of optimization, search for the extreme is performed in the direction $S_n = -B_n^{-1} g_n = H_n g_n$, where g_n is the estimate of the gradient of f(x) at point x_n , produced in the (n - 1)th cycle, B_n is the estimate of the matrix of secondary partial derivatives $d^2f(x)/dx_1dx_j$, f(x) = 1, 2, ..., k, produced by successive refinement from cycle to cycle. A unit matrix can serve as the initial approximation of H_1 . The refinement (for $n \ge 2$) is performed in correspondence with the formula

 $H_n = H_{n-1} - \frac{\sigma_n \sigma_{n-1}^T}{\sigma_{n-1}^T y_{n-1}} - \frac{H_{n-1} y_{n-1} y_{n-1}^T H_{n-1}}{y_{n-1}^T H_{n-1} y_{n-1}},$

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UDG 519.281 YERMURATSKIY, P. V., Tr. Mosk. Energ. In-ta, No 76, 1970, pp 102-107.

where $y_{n-1} = g_n - g_{n-1}$, σ_{n-1} is the vector of displacement of the current extreme point in one cycle of search for the extreme in direction S, T is the transposition symbol. Where n = 1, the matrix H_1 is directly used. A special procedure is suggested for search for the extreme in direction $\mathbf{S}_{\mathbf{n}}$. It is also indicated that this operation can be performed by the method of cubic interpolation (RZhMat, 1965, 18549) or by any method of one dimensional search (Wild, J., Metody Poiska Ekstremuma [Methods of Search for Extremes], Nauka Press, Moscow, 1967). An ALGOL program is presented realizing this algorithm, plus a test example.

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UNCLASSIFIED PROCESSING DATE--090CT70
TITLE-WELDING OF HEAVY GAGE STEEL OKH23N28M3D3T -U-

AUTHOR-(03)-ZUBCHENKU, A.S., YERNILLOV, V.A., KOLYADA, A.A.

COUNTRY OF INFO-USSR

SOURCE-KHIM. NEFT. MASHINOSTR. 1970, 43), 30-1

DATE PUBLISHED----70

SUBJECT AREAS-MATERIALS, MECH., IND., CIVIL AND MARINE ENGR

TOPIC TAGS--AUSTENITIC STEEL, WELDING ELECTRODE, ARC WELDING, NUNDESTRUCTIVE TEST, STEEL WELDING, WELDING INSPECTION, CHEMICAL COMPOSITION, TENSILE STRENGTH, SULFURIC ACID, PHOSPHORIC ACID, CORROSION RESISTANT STEEL, IMPACT STRENGTH/(U)OKH23N28M3DT AUSTENITIC STEEL, (U)OKH23N28M3D3T WELDING ELECTRODE, (U)OZL17U WELDING ELECTRODE

CONTROL MARKING-NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1990/1460

STEP NO--UR/0314/70/000/003/0030/0031

CIRC ACCESSION NU--AP0109520

UNCLASSIFIED

PROCESSING DATE--090CT70 CIRC ACCESSION NO-APO109520 STABILIZED AUSTENITIC STEEL OF THE ABSTRACT/EXTRACT-- (U) GP-0-ABSTRACT. OKH23N28MED3T GRADE EXHIBITS A HIGH CORROSION RESISTANCE TO H SUB2 SO SUB4. H SUB3 PO SUB4, AND SULFIDIC SOUNS. BUT IS MORE SUSCEPTIBLE TO WELDING INDUCED HOT CRACKING THAN ARE AUSTENITIC STEELS OF THE NUNTRANSITION CLASS. HOT CRACKING AND (OR) INTERCRYST. CORROSION ARE FREQUENTLY ENCOUNTERED IN WELDED JOINTS ON PLATES IS GREATER THAN 20 MM THICK. TO IMPROVE THE QUALITY OF WELDS ON HEAVY GAGE STEEL, A SERIES OF MANUAL AND AUTOMATIC WELDING TESTS USING VARIOUS COM. AND LAB. PREPO. WELDING ELECTRODES WAS PERFORMED ON 45 AND 50 MM THICK PLATES OF THE OKHZ3N28M3D3T STEEL (CONTG. C 0.06, SI 0.53, MN 0.32, S 0.007, P 0.026, CR 23.1. NI 27.0, CU 2.79, MO 2.7, AND TI 0.73PERCENT AND EXHIBITING AN ULTIMATE TENSILE STRENGTH OF 69 KG PER MM PRIMEZ AND AN IMPACT STRENGTH OF 22 KG-M PER CM PRIME2). AUTOMATIC WELDING BY OKHZ3N28M3D3T ELECTRODES UNDER AN OXIDIZING, CERAMIC FLUX YIELDED UNSATISFACTORY RESULTS, DWING TO THE OCCURRENCE OF DEEP, PRUPAGATING CRACKS. WELDED BY THE OZL-17U ELECTRODES LOF A COMPN. SIMILAR TO THAT OF THE BASE METAL, EXCEPT FOR MN 3.06, TI 0.15, AND NB 0,45PERCENT) FAILED IN TESTS FOR INTERCRYST. CORROSION. SOUND AND CORROSION RESISTANT HEAVY GAGE WELDS OF SATISFACTORY MECH. PROPERTIES MAY ONLY BE OBTAINED BY MANUAL ARC WELDING UNDER AR BY USING OKHZBN28M3D3T OR SIMILAR ELECTRODES OF 3-4 MM DIAM. PARTS OF HEAT EXCHANGERS FOR H SUB2 SO SUB4 SHOULD BE WELDED BY THIS METHOD.

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USSR

UDC 533.6.011.8:533.722

YEROFEYEV, A. I., Moscow

"On Modeling the Interaction of Atomic Particles With the Surface of a Solid"

Moscow, Izvestiya Akademii Nauk USSR, Mekhanika Zhidkosti i Gaza, No 1, Jan-Feb 73, pp 94-102

Abstract: The applicability of simplified models for the description of the interaction of gas atoms with the surface of a solid is analyzed for the case when the interaction time is short in comparison with the characteristic oscillation time of atoms in the solid. For an arbitrary time period of interaction in a quasi-unidimensional case, a comparison is presented of interaction results of a gas atom with the surface of a solid modelized by a semi-infinite lattice of elastically bound atoms with a gas atom interaction with a harmonic oscillator. The effect of the anharmonicity of forces acting between atoms of a solid on the interaction of the gas atom with the surface is demonstrated for the

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

YEROFEYEV, A. I., Izvestiya Akademii Nauk USSR, Mekhanika Zhidkosti i Gaza, No 1, Jan-Feb 73, pp 94-102

limiting case when the relation of the interaction time to the characteristic oscillation time of atoms in the lattice approaches zero. A comparison of derived values for μ^{\times} (μ^{\times} = limiting value of μ = m/M, where m= mass of gas atom and M=mass of surface atom) shows that the accounting for anharmonicity results in a reduction of the applicability of the simplified model of free particles. Four figures, twenty nine formulas, sixteen bibliographic references.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

USSR

UDC 669.71.042.6

YEROFEYEV, A. T., KUZ'MIN, G. G., ZOLOTUKHIN, V. A.

"Casting of Large Aluminum Ingots Weighing Up to 2 t by Continuous Casting Methods"

Tekhnol. Legkikh Splavov. Nauchno-tekhn. Byul. VILSa [The Technology of Light Alloys, Scientific and Technical Bulletin of the All-Union Institute of Light Alloys], 1970, No. 6, pp. 93-94. (Translated from Referativnyy Zhurnal Metallurgiya, No. 5, 1971, Abstract No. 5 G140 by G. Svodtseva).

Translation: The technology developed for production of Al ingots weighing up to 2 t allows labor consumption to be reduced to 10.72 rubles per ton (as against 12.92 rubles per ton for 15-kg ingots). The losses to exidation during melting are decreased by 10-15%, since the total surface area subjected to drop formation and exidation is 5.8 times less than for the 15-kg ingots. A technological plan for production of large ingots is described.

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1/2 015 UNCLASSITIED PROCESSING DATE--18SEP70 TITLE--INTERMEDIATE COMPOUNDS IN THE CATALYTIC AUTOXIDATION OF BENZOIC ACID IN THE PRESENCE OF CUPRIC OXIDE AND CUPRIC BENZOATE -U-AUTHOR-(02)-YEROFEYEV, B.V., PETKEVICH, T.S.

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COUNTRY OF INFO--USSR

SOURCE--VESTSI AKAD. NAVUK BELARUS. SSR. SER. KHIM/ NAVUK 1970, (1), 12-15

DATE PUBLISHED ---- 70

SUBJECT AREAS--CHEMISTRY

TOPIC TAGS--BENZOIC ACID, ORGANOCOPPER COMPOUND, BENZENE DERIVATIVE, HETEROCYCLIC DXYGEN COMPOUND, CATALYST, REACTION RATE, COPPER DXIDE, CATALYTIC DXIDATION, ORGANIC COMPLEX COMPOUND, COPPER COMPLEX

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1987/1079

STEP NU--UR/0419/70/000/001/0012/0015

CIRC ACCESSION NO--APO104477

UNCLASSIFIED

2/2 015 UNCLASSIFIED PROCESSING DATE--L8SEP70
CIRC ACCESSION NO--APO104477
ABSTRACT/EXTRACT--(U) GP-0- ABSTRACT. THE INTERMEDIATE IN THE OXIDN. OF BZOH AT 220DEGAEES USING CUD AND CU(OBZ) SUB2 CATALYSTS, ARE STUDIED.
THE INTERMEDIATE IN THE CU(OBZ) SUB2 OXIDN. IS CU(OBZ) SUB2. BZOH. THE PRODUCT ISOLATED IN OXION. WITH CUO COULD BE A BASIC BENZDATE OF COPPER CONTG. A CODROINATED MOL. OF BZOH. THE IR SPECTRA OF THE PRODUCTS ARE DISTINCT FROM THE SPECTRUM OF BENZOYLSALICYLATE OF COPPER. REACTION RATE STUDIES SHOW THAT BENZOYLSALICYLATE IS NOT A BASIC INTERMEDIATE PRODUCT. I AND II ARE THOUGHT TO OCCUR IN THE 1ST STAGE OF BZOH OXIDN. WITH CU(OBZ) SUB2.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

UNCLASSIFIED PROCESSING DATE--230CT70.
TITLE--USE OF A TWO SECTIONED COLUMN DURING AN ANALYSIS OF C SUB6- C SUB8
AROMATIC HYDROCARBONS BY GAS LIQUID CHROMATOGRAPHY -UAUTHOR-(02)-YEROFEYEV, B.V., URBANOVICH, 1.1.

COUNTRY OF INFO--USSR

SOURCE--VESTSI AKAD. NAVUK BELARUS. SSR, SER. KHIM. NAVUK 1970, (1), 99-100
DATE PUBLISHED-----70

SUBJECT AREAS -- CHEMISTRY

TOPIC TAGS-BENZENE, TOLUENE, XYLENE, ISOMER, CHEMICAL ANALYSIS, LIQUID CHROMATOGRAPHY, GAS CHROMATOGRAPHY

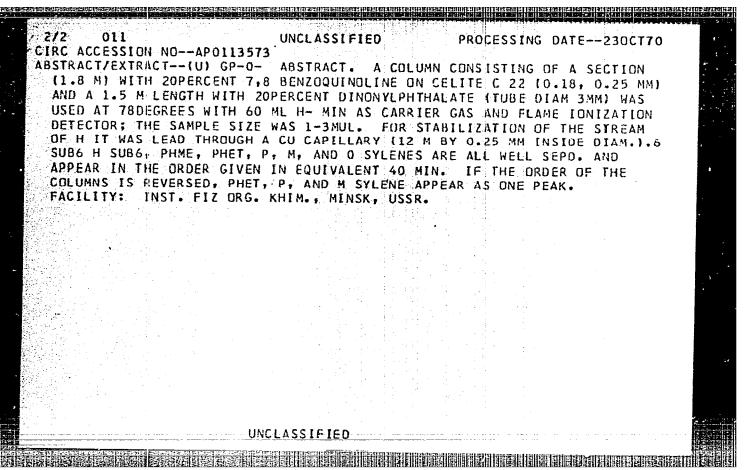
CONTROL MARKING--NO RESTRICTIONS

PROXY REEL/FRAME--1993/0709

STEP NO--UR/0419/70/000/001/0099/0100

CIRC ACCESSION NU--APO113573

UNCLASSIFIED



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BALCSHIN, O. N., BLAGORODOV, A. M., BOLONKIN, B. V., VLADIMIRSKIY, V. V., GORIN, YU. P., GRIGOR'YEV, V. K., GRISHIN, A. P., YEROFEYEV, I. A., KOROL'KCV, I. YA., LUZIN, V. N., MILLER, V. V., NIKOLAYEVSKIY, YE. S., PETRUKHIN, V. N., PLIGIN, YU. S., PONOMAREV, L. A., SIROTKIN, S. M., SOKOLOWSKIY, V. V., TARASOV, YE. K., TIKHOMIROV, G. D., TROSTINA, K. A., TURCHANOVICH, L. K., and SHKURENKO, YU. P., Institute of Theoretical and Experimental Physics GKI AE (State Committee for the Use of Atomic Energy)

"The K p-bK n Charge Exchange Reaction at a Pulse of 39 Gev/sec"

Moscow, Yadernaya Fizika, Vol 18, No 3, Sep 73, pp 542-544

Abstract: The authors present the measurement results from studying the charge exchange reaction of K-mesons on protons (Kp-kn) at a pulse of 39 Gev/sec. The study was carried out using the ITEF 6-m magnetic track spectrometer. The working volume of the magnetic field of the spectrometer was 1.0 x 1.5 x 6 m. Twelve optical spark chambers were located inside the magnet, with each chamber having eight spark gaps (10 mm each). The chamber electrodes consisted of two layers of aluminum foil 14 microns thick. The photographs were taken through a special slit in the magnet yoke. A mirror system made it possible to obtain three stereoprojections of all of the chambers 1/2

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(18)

BALOSHIN, O. N., et al., Yadernaya Fizika, Vol 18, No 3, Sep 73, pp 542-544 with one camera. The reaction was studied on the negative particle beam of the IFVE accelerator. The K-mesons were distinguished by a differential Cerenkov counter. The beam was focused on a liquid hydrogen target 40 cm long which was set approximately three meters from the first chamber of the spectrometer. Approximately 5'107K -mesons were passed through the equipment and 1020 photographs taken. Pairs of uniformly charged tracks were measured on the photographs. The measurement results were then processed on the Razdan-3 computer. Only 270 intersecting tracks were found. A graph is given for the differential cross section of the reaction. The results show that the cross section value of 7.441.2 microbarns obtained by the authors in comparison to data obtained for lower energies elsewhere shows the logarithmic dependence of the charge exchange cross section on the pulse, equal to -1.58+0.05. The authors thank K. G. Boreskov, A. M. Lapidus, S. T. Sukhorukov, and K. A. Ter-Martirosyan for their presentation of the computational results as the dependence of the differential cross section onpulse transfer (do/dt). This dependence is compared with predictions of the Regge pole model.

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APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

TITLE--SPIN AND PARITY OF THE 8 MESON -U+

AUTHOR--YEROFEYEV, I.A.

COUNTRY OF INFO--USSR

SOURCE--YAD. FIZ. 1970, 11(4), 805-9

DATE PUBLISHED-----70

SUBJECT AREAS--PHYSICS

TOPIC TAGS--ANGULAR DISTRIBUTION, CASCADE, RADIOACTIVE DECAY, MESON, PI

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--2000/1033

STEP NO--UR/0367/70/011/004/0805/0809

CIRC ACCESSION NO--AP0124692

UNCLASSIFIED

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R002203710004-2"

CIA-RDP86-00513R002203710004-2 "APPROVED FOR RELEASE: 09/01/2001

2/2 012 UNCLASSIFIED CIRC ACCESSION NO--AP0124692 PROCESSING DATE--230CT70 ABSTRACT/EXTRACT--(U) GP-0-ABSTRACT. DISTRIBUTIONS IN THE CASCADE DECAY B PRIME NEGATIVE YIELDS PI PRIME NEGATIVE OMEGA PRIMEO, OMEGA PRIMEO YIELDS PI PRIME POSITIVE PI PRIME NEGATIVE PI PRIMED SHOWED THAT THE B MESON HAS J PRIMEP EQUAL TO EITHER 1 PLUS, 2 PLUS, 3 MINUS,.... A COMPARISON OF DATA WITH THAT OF DTHER WORK MAKES THE QUANTUM NO. I MORE PLAUSIBLE. A CALCH. OF THE AV. VALUE OF THE B MESON SPIN PROJECTION ONTO THE Z AXIS FOR THE QUANTUM NO. 1
PLUS GAVE THE RESULTS: MEAN VALUE OF J SUBZ PRIMEZ PRIMEDNE HALF EQUALS 1.38 PLUS OR MINUS 0.24. THIS ALIGNMENT OF THE B MESON IS DIRECTLY OPPOSITE TO THAT OBTAINED PREVIOUSLY (G. ASCOLI, ET AL., 1968) AND INDICATES A SHARP CHANGE IN THE BIRTH MECHANISM OF THE B MESON WITHIN THE PULSE INTERVAL OF THE IMPINGING PI PRIME NEGATIVE MESONS, FACILITY: INST. TEOR. EKSP. FIZ., MOSCOW, USSR.

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